

14  
E





For previous with other  
high water rising on 21st  
of the heavy rain from 22nd  
and 23rd. Heavy rain also

Vol. 24.

DIARY

Hymenoptera, other insects, plants, etc.,  
seen or taken by A.W. Stelfox

From 8<sup>th</sup> Sept 1955 until 29<sup>th</sup> June 1957.



































17.9.53 cont. Gilling, K.D. cont.

Take insects.

*Ephedra* *salidum* 100 1192

*Poa* *chyt* ? 2

*Tringus* *montanus* ? 4 99

*Ephedra* *aff* 2 000

*Poa* *chyt* 10 000 000 000 000 000

*Chyt* 8

*Ephedra* 2

Taken at 2 [9 mounted & then released 25/9/53]

*Ephedra* *salidum* 100 000 000 000 000

*Poa* *chyt* ? 2 000 000 000 000

*Tringus* *montanus* 100 000 000 000 000

*Ephedra* *aff* 2 000 000 000 000

*Poa* *chyt* 10 000 000 000 000

*Chyt* 8

*Ephedra* *salidum* 100 000 000 000 000

17.9.53 (2) cont. Gilling, K.D. cont.

*Ephedra* *salidum* 100 000 000 000 000

*Poa* *chyt* ? 2

*Tringus* *montanus* ? 4 99

*Ephedra* *aff* 2 000

*Poa* *chyt* 10 000 000 000 000

*Chyt* 8

*Ephedra* *salidum* 100 000 000 000 000

*Poa* *chyt* ? 2

*Tringus* *montanus* ? 4 99

*Ephedra* *aff* 2 000

*Poa* *chyt* 10 000

18th & 19th Sept. Gilling, K.D. cont.

1. only a few birds seen at night.

2. on 19th a number of birds seen in the morning.

again during the night. & no more fall.







20. 9. 55 (1) - 1. The ... ..

*Ph. d. ... ..*

*... ..*

*... ..*

*... ..*

*... ..*

Taken at 2

*Eurytemora affinis* 14, *Spilonychia* 33, *Hydris* 11,  
*Leptocope* 10, *Hydris* 11

*Polydora* 10

*Prorhynchus* 4

*Stenonema* 10

*... ..*

*... ..*

20. 9. 55 (2) - 1. The ... ..

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*

Taken at 5.

*Eurytemora* 4

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*

*... ..*











22.9.33, 1st. Very dry. Mill, 20, road.  
 Spent the day in or around the garden on  
 KD-WI. Spent a fine day with much  
 collecting. Collected at 11.30 & collected  
 in fine area during the day:—

Collected 25.

Spent 2.

23-28th Sept. Very warm on 23-26th, but 27th &  
 28th were 26th & 27th cold by comparison.  
 Some slight showers & some light rain.  
 In the afternoon of 27th I went to the garden  
 both the place seen in the garden re. the 2nd  
 a very odd Small White.

23rd Sept. 1953. Went along the 10.40 train to  
 13.30 train & returned from there. Spent the day in or around the garden on  
 KD-WI. Spent a fine day with much  
 collecting. Collected at 11.30 & collected  
 in fine area during the day:—

1. Bank & overhanging trees, mainly ash, for  
 200 yards N. of the house, collected at 11.30  
 at 50 yards of the garden 11.30-12.00 hours.
2. On the KD-WI boundary.
3. On the road at N.E. end of the garden, Co. WI.  
 from 12.15 till 1.0 PM.
4. Some 2-3 stations S. of the house, Co. WI. 1.15-1.30 PM.
5. On the road stream, on Kildare side, at foot of  
 the garden off the main road, on steep slope  
 above the stream & small ditch with ditch  
 with the usual flint at top of field &  
 along the side of the stream (top of 17.5.13.15)  
 2.30-2.45 PM. Co. KD.
6. By the road from road between Blessington to  
 the garden, leading N. to the old Ballypaul,  
 along side the field, with a few oaks—  
 hanging oak trees. Co. WI. 3.30-4.15 PM.  
 Ballypaul, the area, grown by a small cottage  
 pond at station 5.







Oct 9, 55, cont. Glanditz, WI, cont.

Taken at 3, cont.

*Chalcididae* ca 20 all small

Cynipids 2

Taken at 3. (ward, to WI)

*Phaenocarpa* 232

Cynipids, 33 - incl all kinds of 22 *Leptocryptus* etc

*Pezomachus*, 39% (small) *Stenomacrus* 30%

*Promethes* 2, *P. laticornis* 2, *P. nigriventris* 1

*Stenomacrus* 20% only

*Leptocryptus* 5, *Stenomacrus* 20% (2.5.1) 1, *P. laticornis* 2

*Pezomachus* 7 6 =

Oct 9, 55, cont. Glanditz, WI, cont.

Taken at 3, cont.

*Phaenocarpa* 232

*Stenomacrus* 20% only

*Leptocryptus* 5

*Pezomachus* 39%

*P. laticornis* group 9: 2.5.1 only =

*Opus* 4

*Chalcididae* 10, incl 11 *Leptocryptus* etc =

*Stenomacrus* 20% group, about 30% probably

all kinds of, except 14 *Leptocryptus*

3, all 2 =

2

*Stenomacrus* 2

*Stenomacrus* about 25

*Chalcididae* ca 20

Cynipids 2



12

26 9 55 AM - Standing, 42.

Taken at 4. (5000 feet, 6000 ft.)

Common in 15. 10000 ft. 10000 ft. 1244

Heath 0.

Common in 15. 10000 ft.

Prunella 10000 ft. 10000 ft. 10000 ft. 10000 ft.

10000 ft. 10000 ft.

10000 ft. 10000 ft.

Sagittaria 10000 ft.

Onoclea 10000 ft.

Aspidistra 10000 ft.

Matricaria 10000 ft.

Blaua 10000 ft.

Opuntia 10000 ft. 10000 ft.

10000 ft.

Centropogon 10000 ft. 10000 ft.

Aspidistra 10000 ft. 10000 ft.

13

26 4 55 (41) AM - Standing, 42, 43.

Common in 15. 10000 ft. 10000 ft.

10000 ft. 10000 ft.

10000 ft. 10000 ft.

10000 ft. 10000 ft.

10000 ft.

10000 ft.

10000 ft. 10000 ft.

10000 ft. 10000 ft.

10000 ft.

10000 ft. 10000 ft.

10000 ft. 10000 ft.

10000 ft. 10000 ft.

Red Admiral butterfly seen among Holly in back yard.



26.9.55 cont. Fly day, W. cont.

Taken at 5 (lane to airport).

*Phaenocarpa* 3000

*Cryptinae* 13. *Idia* *pygmaea* *tristis* 2499

*Pygmaea* 1299, *tristis* 999, 249

*Hydrellia* 2

*Phygadeuon* 0300

*Chamaea* 1

*Bombus lucorum* 8

*Bombus agrorum*

*Pentacheta* 2, small *Chamaea* *pygmaea* *tristis*

*Homocidus* *montana* 104, 249

*H. flavipes* 1, large 8

*Phaenocarpa* 2

*Phaenocarpa* 3.

*Cryptinae* 3

*Phygadeuon* 0300

*Phygadeuon* 249, 2

26.9.55 (2) cont. Fly day, W. cont.

*Phaenocarpa* 2, *Bombus* 1, 249

*Phaenocarpa* 2

*Phaenocarpa* 2

*Phaenocarpa* 249, 2, 249, 249

*Bombus* *lucorum* 249

*Bombus* *lucorum* 249

2

*Bombus* *lucorum* 1

*Chamaea* *pygmaea* 2

*Bombus* *lucorum* 2

*Phygadeuon* *tristis* 2

*Phygadeuon* *tristis* 2

*Proctos* 5

*Chamaea* 2

*Cryptinae* 2

*Phygadeuon* *tristis* 2

*Phygadeuon* *tristis*







10th + 11th Oct 1955. - Two most beautiful days,  
very mild, with hot sun during middle hours of  
day, but with heavy dew at night.

11th Oct. Bright 12 (noon) to 1.30 to Rockbrook &  
spent nearly an hour in Killakee National Park,  
where for some reason there was considerable wind  
pouring down the glen though some to speak of  
clearance. Filled in museum with *Perithous* as  
follows: -

1 = Field of turnips & sugar beet on E. side of

curved side of Rock from Rockbrook 12.45 - 1.15

2 = Under trees by avenue & along path on E boundary  
of park as far as track leads, then to old walled  
garden (where I had lunch) 1.15 - 2.00 PM

3 = Left bank of river along edge of new plantation  
2 off young oaks in same 2.30 - 3.00 PM

4 = From station 3 (foot of side glen, W of new glen)

went over <sup>ridge</sup> bridge & back along eastern

boundary track to new tunnel place 3.15 - 3.50 PM

Came home by 4.25 bus from Tubridown

Some *Perithous* larvae - etc. from field

& one group taken on

11.10.55 cont. Killakee Park, Co. DU, cont.

Taken at 1.

*Pimpla brevicornis* ♂

*Apanteles* sp. 1

*Phygadeuon* sp. ♂

*Phaenocarpa rubicincta* 2 ♂♂, 1 ♀ *Platycarpus* ♂

*Aspilota (Anallota)* ♂

*Gasterocercus palustris* & *lucicola* 1 ♂, 1 ♀

*Microgaster*

*Ephialtes* *laccatorum* & *reticulatus* 1 ♀ of each

*Proctos* 11

*Chalcids* 14

*Ichneumonids* 3.

Nothing mounted!

Taken at 2.

*Sphagnum* ♂ =

*Phygadeuon* ♂

*Microgaster signatus* ♂, *Microgaster* ♂, *Microgaster* ♂

*Phygadeuon* ♂

*Microgaster* ♂ very small ♂ & ♀

*Stenomacrus* ♂

*Stenomacrus* ♂

*Stenomacrus signatus* ♂ *Homocidus pectoratorius* ♀

*Stenomacrus (Microgaster) confusus* ♂, ♀, *Stenomacrus* ♂, ♀, *Stenomacrus* ♂, ♀

*Stenomacrus* ♂, ♀, *Stenomacrus* ♂, ♀

*Stenomacrus* ♂ =

*Apanteles albicinctus* ? ♂

*Helorus* ♂















4th

20.10.55 cont. - Gwent Park, 10.15, 20.10.55 cont.  
*Stenocranus* 1st 199 (1st in group of 2 - 1st 199)

*Parachanna* 7  
*Parachanna* 1st 199, 2nd 199  
*Caprimulgus* 4  
*Caprimulgus* 1st 199, 2nd 199  
*Chlorophanes* 3

*Caprimulgus* 1st 199, 2nd 199  
*Caprimulgus* 1st 199, 2nd 199  
*Caprimulgus* 1st 199, 2nd 199

*Diurnal* 1st 199, 2nd 199  
*Diurnal* 1st 199, 2nd 199  
*Diurnal* 1st 199, 2nd 199  
*Diurnal* 1st 199, 2nd 199

4th

20.10.55 cont. - Gwent Park, 10.15, 20.10.55 cont.  
*Stenocranus* 1st 199 (1st in group of 2 - 1st 199)

*Parachanna* 7  
*Parachanna* 1st 199, 2nd 199  
*Caprimulgus* 4  
*Caprimulgus* 1st 199, 2nd 199  
*Chlorophanes* 3

*Chlorophanes* 3

*Chlorophanes* 3

20.10.55 cont. 1955. These five days, with some light  
 frost on night of 22nd & 23rd, with N wind on 22nd & 23rd,  
 about 10.15, but S.W. on 22nd, but wind fell on 23rd  
 all these days. On 22nd I saw a ♀ *Parachanna* *hastata*  
 resting along E wall of back garden about 3.00pm. I saw  
 her on 1st and on 2nd in same place about 10.30am.  
 On 23rd caught 9-10 hrs to 10.15pm. I visited the  
 Greenhills & Tyman Estate to see how, in fact,  
 road, & came home by 11.45 hrs (from station at 11.15).  
 Collected with me for 20 mins. I saw a ♀ *Parachanna* *hastata*  
 Greenhills & Tyman Estate & took 1955 photos of  
 back garden & other birds between 10.15 & 11.15.  
 On 24th I saw only one ♀ on 24th Greenhills & on 25th  
 back garden. H.T.O. →







28th Oct 1955. After a very keen white frost, a very fine sunny, but cold, day, with a 10-15 wind & a time change. In afternoon went to Bushy Park, Thurston, Quilley, at 2.30 & collected & 4.30 p.m. till 3.50. Bushy Park is a large & dense wood, but with a lot of old trees, with a number of the top of the old beech, which I have collected before. Most of the insects came off on about Alder, a few off Oak & some on the off Log, but many were seen & with 4 or 5, but not with 1 or 2. The grass & other vegetation too, but after the night frost to sweep amongst some growth of Alder, etc.

Bushy Park (near Quilley), Co. Down, 28.10.55.

*Diachasma* ?

*Chrysomelidae* ?

*Herminia* sp. 10. 5. 95

*Polyblastus* ?

♀

28.10.55. cont. Bushy Park, Co. Down.  
*Promethes* 20. 3. 5. 95. 2  
*Orthocentrus* 20. 3. 5. 95. 2  
*Stenomacrus* 20. 3. 5. 95. 2

*Theridion* 2. 4. 95 =

*Theridion* 9 (20. 4. 95)

*Agrotis* 10

*Chrysomelidae* small 9, with 10. 3. 5. 95. 2

*Agrotis* 10

*Chrysomelidae* 10

*Blacus* 20. 3. 5. 95. 2

*Chrysomelidae* 20. 3. 5. 95. 2

*Agrotis* 10

*Chrysomelidae* 10

*Chrysomelidae* 10

*Chrysomelidae* 10

*Chrysomelidae* 10











7.11.1917, cont. Bury Park, Tameside, Co. DO.

Early in

November 1917

*Phaenocarpa* 2000

*Phaenocarpa* 455

*Phaenocarpa scutellata* 3

*Phaenocarpa* 4

*Phaenocarpa bipuncta* 100, 555

*Phaenocarpa* 255

*Phaenocarpa* 5

*Phaenocarpa* 11

*Phaenocarpa* 18

*Phaenocarpa* 1

*Phaenocarpa* 1 specimen of the green long  
with red legs = *Phaenocarpa praeusta*!

Green longwing *Phaenocarpa* p.

At Bury Park, 1917. A similar mild day to the day with  
occasional drizzle in forenoon, fine. It had been a  
fine day & drizzle again in evening. In forenoon having  
I went to Bury Park & walked up the main path till  
we reached the part of *Phaenocarpa* yellowish to light red  
at Bury Park. Just above the main path of Bury Park  
there are (very) distinct black spots on the main path on  
the *Phaenocarpa* *bipuncta* & the *Phaenocarpa* *praeusta* (both)  
green in the main part of the main path (which is red)  
collected by sweeping above the main path & in  
the main path of Bury Park. Bury Park, Co. DO.

*Phaenocarpa* 2

*Phaenocarpa* 10, 11, 12, 13, 14

*Phaenocarpa* 7

*Phaenocarpa* 4 collected on 2, 10, 11, 12, 13, 14

*Phaenocarpa* 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*Phaenocarpa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14



9th Nov 1953. Left my home at 12.15 pm  
 with a bag of traps in car. On 9th walked along  
 the river bank. The cooperation of public  
 was lacking the right bank of the river from the  
 Ballinacorney weir to small head, which  
 will prove it a point of left bank & will show  
 the old river course. About 1/2 mile from  
 small head a small hole in the ground  
 appeared in the path. This at the moment  
 appeared in the path. This at the moment  
 in my opinion the hole is not 30 years  
 too late & moreover there was no  
 water & the hole was only the water of the  
 cooperation. The hope to buy water by giving  
 employment.

10th Nov. Leaving at 10.15 AM for the Bitter.  
 I walked via Ballinacorney Gap to Bitter-  
 head. The road is about 1.35 hrs. long. The fine  
 morning with approaching depression, which  
 brought rain. The car expected & a decision  
 as to what to do. They intended that  
 the car should be left at 12.15 pm.

From larva of  
Bupalis piniaria  
 from near  
 Blessington  
 7. Left 1953

Ichneumon  
 emerged  
 2 after 1954

Murrough  
 30th May.  
 ESA Baynes.

14th Nov. Left 9 PM for the Bitter. The car was left at  
 my table lamp = Bupalis piniaria Hubs. For ESA Baynes.  
 The window had been open in the room for several days  
 & it appeared very fresh. Small amount of dust down!

may, 1954. The  
 in garden along the path  
 station, but the Ichneumon  
 was 2 after the vegetation  
 had been cut. The  
 larvae, but for a while  
 the Ichneumon.  
 corner house at 12.15 pm.  
 but no sign of the Ichneumon.  
 with fresh. The Ichneumon had been  
 left off the tree, and on.

The car was left at 12.15 pm.  
 amount of the Ichneumon from  
 the path. On 14th Nov. 1954  
 I walked via the Bitter  
 to the Bitter. The Ichneumon had been  
 left off the tree, and on.  
 The Ichneumon had been  
 left off the tree, and on.  
 The Ichneumon had been  
 left off the tree, and on.



From larva of

Bupalis piniaria

from near

Blessington

27, Sept. 1953

Ichneumon

emerged

2 April 1954

Murrough

Both May

ESA Baynes







14th Nov. 1925. Another dull day, with E. wind.  
In afternoon went to Bushy Park, & I found  
some *Acanthosoma* about 2000 ft. above the  
sea level, along the bank of the Bushy  
Park stream. *Acanthosoma* & other  
vegetation down a bank & few *Acanthosoma*  
about 1000 ft. from the following:-

Bushy Park, Tarrare, Co. DU.

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

22 specimens of *Acanthosoma hemisphaerica* examined.

Bushy Park, Tarrare, Co. DU.

15th November 1925. Same as 14th, but with E. wind.

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

*Acanthosoma*

16th November. Same as last few days, but less wind  
& therefore milder. In afternoon found some on  
the that patch of blue sky occasionally with  
a case of snow in the air. Went again to Bushy Park  
and on previous two days & swept for 1 1/2 hours,  
chiefly off grass. Found a few little off  
tall grass & other, but no *Acanthosoma* at all. In the  
most of the *Acanthosoma* taken in the morning in the  
wall & just SW of the outlet.



52







66.

21 Nov. cont. Wood, Bushy Park Co. DU.  
*Sheppardia gregaria* 2 or 3 (small) *Agrostis* *capitata*?  
*Hordeum* of *strep.* ♀, ant. 22  
*Polytrichum commune* ♀, white  
 Elm leaves with *Phylloxera* ♀, the first seen since 20/10/11.  
 Birch leaves of *Sorbus*, *Agrostis* *capitata* off *her.*  
 2 or 3 old *her.* 31/10/11.

*Apanteles* ♀, ant. 19.  
*Aspilota* *scutellata* ♀, ant. 21.  
*Aspilota* *fuscescens*, small ♀, ant. 15. *Aspilota* ♂, ant. 13.  
*A.* ♂, ant. 21, small & large.  
*Phaenocarpa* *laevigata* 10 ♀♀, 1 ♂ *Phaenocarpa* ♂, ant. 17.  
*Proctos* 15 or more spp.

*Chalcids* 17 or more spp.

*Cynipid* 1.  
*Diptera* 2. The species *frumens*? =  
*Agrostis* with 1 sp.

67.

22 Nov. 1911. Wind on west, light, after a light shower  
 during evening of 20th. Still in forenoon, gradually clearing  
 & dispersing all the rain, otherwise, like the 20th, cold & clear, at  
 sundown. In afternoon went to Bushy Park & swept  
 along the left bank of St. Goban, in a 15th & 16th century  
 but growing in open soil & very few *Potentilla*, in place  
 - perhaps too fine & dry for them? 2.30 - 4.45 P.M.  
 Bushy Park, Co. DU.

*Hemiteles* *apiculator* 21. ♂.  
*Pegomya* ♂.  
*Aspilota* *scutellata* 21. ♀.  
*Phaenocarpa* *laevigata* 21. ♀.  
*Proctos* 6 (all ♀♀ & probably *Agrostis* *capitata* near).  
*Chalcids* 6.

*Diptera* 3.  
 (Long *her.* *provincialis* - several on left about the road bed).

23rd Nov. 1911. Mostly a light drizzle, with little sun  
 with few 20th Nov. 11. Still in forenoon, gradually clearing  
 & dispersing all the rain, otherwise, like the 20th, cold & clear, at  
 sundown. In afternoon went to Bushy Park & swept  
 along the left bank of St. Goban, in a 15th & 16th century  
 but growing in open soil & very few *Potentilla*, in place  
 - perhaps too fine & dry for them? 2.30 - 4.45 P.M.  
 Bushy Park, Co. DU.



28.11.55 cont. - Sunday, Bunko, G. D.H.

The afternoon went very quiet. In Bunko, which  
 however, snowed at 2.30 & 3.30 p.m.  
 I went till about 4.30 p.m. when light began to  
 fail. A dull afternoon, with at first a cold strong  
 W. breeze, but this dropped about 2.30 & later quite  
 mild & calm. Drove to Bunko in evening  
 search for wood, but most of the rest of the night  
 came from Kinsale. In Bunko, the Bunko  
 for Bunko, & one of the Bunko for the Bunko  
 Bunko.

Bunko Park, Bunko, D.H.

Found 2 = *Quercus* *perparva* <sup>11.10.1955</sup> <sup>11.10.1955</sup>  
 11.10.1955 <sup>11.10.1955</sup> <sup>11.10.1955</sup>

*Phygadeuon* ♀, ant 19 =

*Cynipis* *off* *Leucostoma*, ant 22.

*Phygadeuon* *tuberosa* ♀, off Bunko, ant 16.

*Monobroter* of *E. 1955*, ant 19, off Bunko

10.1.1955, ant 31.

*Spalangia* 2000 (2: smaller ♂, ant 19, larger ♀ 19 is smaller 7 ant)  
 ♀, ant 20.

28.11.55 cont. - Sunday, Bunko, D.H., cont.

*Cynipis* *off* *Leucostoma*

*Cynipis* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*

*Phygadeuon* *off* *Leucostoma*



27.11.55, cont.

11) *Pyrausta ferrugalis*? Hb. which seen to light on my table on 16.11.55 (see p. 57 note); Baynes reported that many had been seen at major Alder. Lighthouse, Co. Cork about the 1st & that it was 5.11.55 known common.

(12) *A. flavus* Malt. 1

me caught, 9 of Newcastle Station, Co. Wick.

(13) The butterfly - *Scirp. Shippii* (Leger) taken by the Rye Water, KD, on 3.11.1955 (1955).

30th Nov. A dull, dry, day, after which it frost-fell on night of 30th. Foggy, gloom.

1st to 4th December. Dull, with a little sun on 2nd & 3rd, otherwise dry, wind SW-NW. Light frost all day, for day & night all week. After 11.00. On being Sunday we took a small walk from Waterstown via Tyrone Co. to a Parkland. Back to Ballylough just S of Templeogue Bridge.

4.12.55, cont. When passing over the Green hills, etc. I noted by the light of the still abundant presence of the three *Scirp. Shippii*, small *Heliella itala*, *virgata* & *acuta* & I collected a few of the last, as building operations (improvement) will no more cover up its site in the district & it is less widespread than the other two species.

5th Dec 1955. A most lovely morning & cold day, followed by a rather stormy but dry night. In afternoon I alone, went to 3.00. To Crookling, & returned by 3.30. The afternoon was spent sweeping the laurels in the garden, of the Glade of Saggart which adjoin the grounds of the Hospital & where I got *Scirp. Shippii* from the path along SW. side of the house. The air was very cold.

Spent part of 5th of Dec. in the out-let especially over of the garden, especially of *Scirp. Shippii*, which I have been taking all autumn in place. There were some *Scirp. Shippii* at the top of the garden, & I found one of them at the top of a path. I thought the others were a little low after the frost observed on the flying the path. The very little some as I thought it was all over. For list of species taken see next page →



















1956.

1st - 4th January.

Continuing very mild & dry in Dublin, almost windless.

On 2nd Jan I went to Bushy Park in the afternoon & did some sweeping, but the only hymenoptera taken was a ♀ of *Belonocnema trepida*, with off *taeniorhynchus*. On 4th I again went to Bushy Park & this time secured the beating trays instead of the net & took the following *Perilissus*. I think all but one of young bees whose larvae remained on the trees as last autumn, with young or clipped bees.

4.1.56, cont. Bushy Park, Terenure, Co. DU. 3.0 - 4.0 P.M.

*Dicelotus pumilio* ♀, ant 23.

Chalcids 7, one of which has the head loose & may possibly have been stuck somewhere in the mesh, but I don't think this possible & more likely it was damaged when the cork was pulled out accidentally by the tube catching in my pocket & hurriedly pushed in again as the insects tried to escape.

5th - 7th Jan. Dry & calm, inclined to be foggy, with white frost on night of 5th/6th. On 5th I walked up to the head of R. Dodder in Bushy Park to the golf links bridge & back & saw a number of *Belonocnema* larvae under stones, where we have seen several before for over a week. One was just about the size of the first I saw, but I saw others below the golf bridge & by the old mill race.

8th Jan. The severest frost of the winter occurred on night of 7th/8th & the first time the ground has been actually frozen, followed by a cold, bright, sunny day with light N.W. wind. We took 9.35 bus to Walthamstown & walked via Tyrone Castle, Fossanova & Croaghmore back to Barry's Gap & home at 10.50 am.



9th - 17th January 1956. British weather, some heavy rain, mostly cold & wet, with frost on several nights, but 16th & 17th both beautiful spring days with much fresh sun. No collecting possible on most days & none attempted until 17th.

On 10th Mrs Fisher & Miller arrived to take on my collection of P. W. Mollusca & Litteraria known on behalf of the Liverpool Municipal Museum, whose committee has agreed to purchase same for £200: only those *Pandora* which I did not give Mr Harrington to take to America now remain & the Litteraria dealing with the group of molluscs: these I have kept back in the hope that S. P. Dance will keep up the interest in the group & if so I will pass the shells & papers on to him in due course. Of course, as with the *Pandora* I have kept all the shells I have had (of various species) since about 1909.

On afternoon of 17th Jan. I took a beating bag to Bushy Park, Trenchure, & beat from 2.40 till 4.40 P.M. chiefly Beech & Oak (having dead leaves). *Cypripis* (6 *Panormia*), *Spence*, *Yers* & *Box*, & from these I beat the following insects:

17.1.56, cont. Bushy Park, Trenchure, Co. DU, cont.  
*Sternichneumon pictus* ♀, ant. 34 } both taken from Spruce!  
*Pimpla elegans* ♀, ant. 25  
*Stenomacrus confusus* W. ♀, with collapsed head, but still turgid at 8 P.M.: the centre line of head from ocellus to between antennae is not whitened & appears as a pitted greenish stripe: both out of dead beech leaves. but 20

*Bracon scutellari* ♀ (? out of year), ant. 26  
*Chalcids* 12

*Hemiptera* 3

*Lygaeus* 4 from sp. & all from on oak with dead leaves attached.

Many "gnats" seen dancing in the sunlight in shelter of the wood, where mild & quite sheltered from a rather cold W. wind.

17.1.56, cont. Two snowdrops in front garden just opening & a third ready to open. The early Mediterranean *Heath* in back garden almost out.

18th Jan 56. A fine cold sunny day after a fair night but only the faintest trace of frost. In afternoon I went alone, by 2 P.M. bus to Knockbrook & then walked to the Hillsborough National Park to see if beating the Norway Spruce tree (*Araneus*) would produce any interesting







2nd Jan 1956. A lovely sunny forenoon & fine afternoon but cold & dry. Departed at 10.00 for day. In afternoon we visited by 2.00 PM. Went to Blackbrook & walked up to the Monkey Puzzle - Killakee Park, where arrived at 3 PM. Beat the Count - borders of the Lawrence till 4.20 (=1) & then back to the old Spruce near the ruins of Killakee House (=2) till 4.45, when daylight stiff & short ended collecting & I came home by the 4.55 bus from Tibrodden. The two routes were contained the following insects:

Killakee Park, ca. 650 ft alt, Co. DU.  
 Tuberc. 1, in beaten out of Monkey Puzzle (Lawrence) 2.20 PM  
Pimpla maculata stage 7, at 34.  
P. maculata, very small ♀, at 35.  
 Chalcids 111 (one lucida & others) - with Graham

Diptera 14

Coccinellid 2 spp. 8

Proct. (varied) 2

Hemiptera 1

Microlepidoptera 2

Hemiptera (green sp.) 3

2. 1. 56, cont. Killakee Park, DU, cont.  
 Taken at 2, 10.00 PM out of Spruce - 4.55 bus to 10.00  
 Chalcids 40

Hemiptera 2.  
 30.00 PM light & 10.00 PM in full moon - very dark  
 Blackbrook Park, where arrived at 10.00 PM

1st 2nd February 1956.  
 Fine sunny day - 1st Jan. I left at 10.00 AM for the day. I went to the old Spruce near the ruins of Killakee House (=2) till 4.45, when daylight stiff & short ended collecting & I came home by the 4.55 bus from Tibrodden. The two routes were contained the following insects:

4th 5th Feb. 1956. Fine sunny day. I left at 10.00 AM for the day. I went to the old Spruce near the ruins of Killakee House (=2) till 4.45, when daylight stiff & short ended collecting & I came home by the 4.55 bus from Tibrodden. The two routes were contained the following insects:

On 5th Feb. I took 20.00 PM bus to Blackbrook (above) & spent 2 hours in Killakee Park beating & returned by 4.55 bus from Tibrodden.



















































25th-27th May 1956. Continues dry & most hot sun.  
 28th May. Bought 9 AM train (slow) for Loughrea  
 & then on to Warrenpoint & by bus to Newcastle  
 (Mrs. Kilbride) where arrived at 10.15 AM. After  
 leaving car back at Mrs. H. Smith's rent straight  
 on to our new house - now virtually completed -  
 to work in garden & see how the plants already  
 transplanted had fared during the drought.

Also had with me some further 25 plants  
 from garden at Mr. O'Brien's Rd.

Found all but 2 of the plants already, more or less  
 & most done, with some potatoes & runner beans  
 tipped by frost (1st night of 10th-11th May).

Weeds in front part of garden (formerly  
 cultivated & various but ground not seen  
 in soil imported by Taggart to fill up to  
 level of front avenue. Weeds in back part  
 (said never to have been cultivated) consisting  
 almost entirely of white seedlings (*Ulex europaeus*).

29th May '56. Spent day in new garden 11.23  
 Tullybrannigan Road. Newcastle. No lawn, digging &  
 hoeing. Very hot & dry but a little drizzle in  
 evening, just in time to let dry after having some  
 of front garden.

30th May. Spent forenoon again in new garden  
 but too hot for serious work. Left Newcastle  
 by 11.20 bus & reached home about 4.45 PM.  
 During day in Newcastle saw one *Bombus jonellus* &  
 on 30th a ♂ of *B. lucorum*, *halictus* & *agrorum*  
 & one attached & stung on forehead by a wasp.  
 Honey Bee, though nearest nest said to be in  
 Smyth's field in 2 garden rows. I had no time to  
 test native plants but noted *Valeriana* & others  
 which I had not seen before then.

Before leaving Mrs. H. Smith's to catch 4.20 bus  
 I took a few insects in the front garden of their  
 house with me - as follows:-

Many of *Bombus* seen but too hot to capture - large  
 & with me.  
*Campoplegid*. 2 ♂♂, ant. 31 & 34 =

*Theridion*. 1 ♂, 1 ♀ ant. 21 & 22, of 2 ♂♂ =  
*Beetle* *Collybia* ♂

NB. Numerous wasps seen in garden of 22 Tullybrannigan Rd.,  
 between 28th & 30th May & all were *V. rufa* ♀♀, of which  
 only one showed clear chestnut-coloured markings, the remainder  
 being coloured as in *V. austriaca*.











19th June 1956, cont.

From home to Baggins & Co. via East London & back  
to Richmond. Weather, the sun held  
off. The first rain came at 1.15 p.m. & was  
drizzle but the sun appeared in  
good weather & mainly sunny. I was  
put at once in my car in the street prepared  
for the rain at the sitting room just below stairs.

Kennedy's two men at Richmond had some  
experience & did not come at the north  
until nearly 3.30 p.m. & the sun was not  
withdrawn until 10.10 p.m. From then the garden  
was really soaked in the sun & wind & rain  
was left outside for a night.

20th-30th June Spent a trying & tiring day out  
things in No. 21 & outside work in the garden,  
in fact I put much work in the garden & in  
greenhouse, paid day, and day & night  
work. I brought with me some of the  
plants from the garden, but not a few.

- 20th June 1956
- 21st June 1956
- 22nd June 1956
- 23rd June 1956
- 24th June 1956
- 25th June 1956
- 26th June 1956
- 27th June 1956
- 28th June 1956
- 29th June 1956
- 30th June 1956

20th June 1956.

From home to Baggins & Co. via East London & back  
to Richmond. Weather, the sun held  
off. The first rain came at 1.15 p.m. & was  
drizzle but the sun appeared in  
good weather & mainly sunny. I was  
put at once in my car in the street prepared  
for the rain at the sitting room just below stairs.

21st July 1956. A stormy day after a rain  
storm (SE) & a hot sun in the afternoon.

Worked at S.W. top of Tower Hill plantation  
in the morning & back to the garden in the afternoon.  
Saw a lot of *Bombus platensis* & a few of  
*Pachyrhynchus* in the garden. In the morning  
the plantation & during the day saw the following  
insects: *Agrotis*, *Agrotis*, *Agrotis*, *Agrotis*,  
(other plants) - *Agrotis*, *Agrotis*, *Agrotis*, *Agrotis*,  
*B. lucorum*, *B. lucorum*, *B. lucorum*, *B. lucorum*,  
*B. lucorum*, *B. lucorum*, *B. lucorum*, *B. lucorum*,  
& *Pieris*, *Pieris*, *Pieris*, *Pieris*, *Pieris*,  
both of which in good flower.

22nd July. A day of heavy rain, with no sun at all.

Worked in the afternoon & evening, saw many  
insects of very small size. In the evening  
fell in. Went at once to bed at night (22nd July).



7th to 10th Feb. Fine, much hot sun, & few showers. Gerald & Baby Abbott came to stay till 11th. He putting up book shelves for us. Spent spare time digging & weeding in front & back gardens.



22<sup>nd</sup> July 1956. A fine day, with much hot sun & S.W. wind, which turned N.E. & squally for an hour & then back to S.W. as the off-wind of a "weak front" (station that is! Sandy). In forenoon walked up to the range of cliffs on N. face of Sharncliffe & spent half an hour examining the plants on the scree. Saw much *Beech* fern & *Cystopteris* *complanata* *retundifolia*; also 3 plants in one place of *Sedum rosea* (all recorded from here by Stewart & Greger, 1892), *Holly*, *Thymus*, *Sedum*, *Salix*, *Solidago*, *Carex procera* & *C. tortuosa* (both on way up to the scree from top of plantation) & the place is worth further investigation. Did not see any trace of a *Hieracium*, nor *Saxifraga* *stellata*. On way up through plantation caught 4 cec. with my hand as follows:—

*Thymallus* sp. 203<sup>1</sup> (ant 34): the perianth of the stamens empty!

*Ephialtes* cf. *tuberculata* ♀, taken at foot of dog's near the shipyard cottage: ant. 39.

23<sup>rd</sup> July 1956. Hot & dry, with gale from S.W. in afternoon & evening, but no rain fell! Mr. Thompson called regarding *Epilobium* *valerianifolium* which I had been told was at 35. (ant 34)

24<sup>th</sup> July. Very warm & windy (S.W.) in forenoon, calmer & less hot in afternoon, after a very hot night & during previous night but not enough to suit grass & plants, recently planted looking much too soon for the sun & wind. "Went" into garden in forenoon, was examined at 10 P.M. was a *Scabiosa* of which species a small colony seen in back garden a few days previously: one caught cec. in level tube & not yet examined.

25<sup>th</sup> - 26<sup>th</sup> July. Very dry & sun, stormy on 25<sup>th</sup>, night of 25<sup>th</sup> - 26<sup>th</sup> gradually clearing down towards evening of 26<sup>th</sup>. Wind had risen on 25<sup>th</sup> to gale & 6<sup>th</sup>. Rain badly needed by plants, but the day was hot in sun & 5<sup>th</sup> place badly broken by storm. Flying ants not seen since 24<sup>th</sup>.

27<sup>th</sup> - 29<sup>th</sup> July. Dry & mainly dull on 27<sup>th</sup> but very heavy rain in afternoon of 28<sup>th</sup> & rain or drizzle & squalls all day of 28<sup>th</sup>. George, Margaret & David are grand & laughter! David about 20 P.M. he found a *phalaena* holiday with me. During night of 28<sup>th</sup> - 29<sup>th</sup> wind gradually rose & gale & rain all morning till dawn on 29<sup>th</sup>: temperature quite low (about 40°).

30<sup>th</sup> - 31<sup>st</sup> July. Very hot & sun all day on 30<sup>th</sup>, with the 31<sup>st</sup> with a full day with sun & rain. A very heavy rain, but morning & early in afternoon & evening & weather - fine in afternoon & fine west.



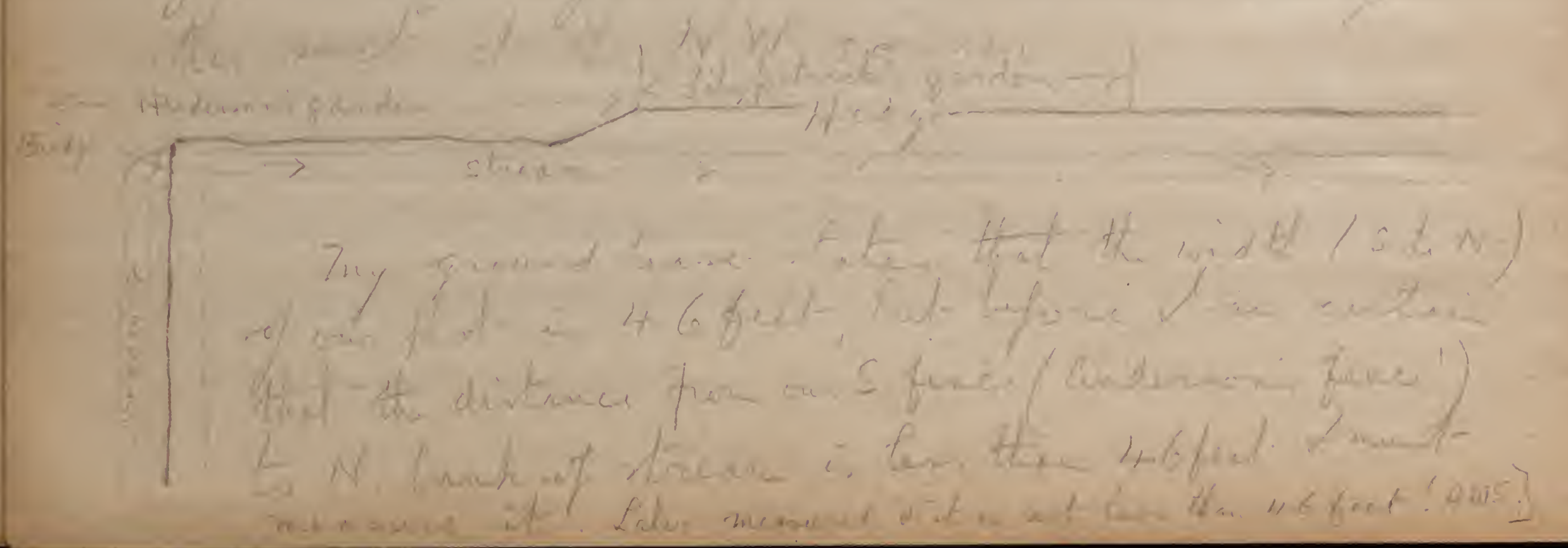








16th-19th August 1933. Driest, very hot & sunnier than England has been since 1895.  
 Very little rain in garden from 16th, but at night a heavy shower of rain fell at first (NW) of our back garden & continued for the first time since our arrival in June into the eastern corner where the stream runs water on paper, through a small bridge. The stream had been somewhat increased by very tough grass, etc. I found that the corner of the back garden & the stream corner had pushed the garden right up to the water in one place & after apparently removing the track & old hedge which forms my N. boundary for the rest of the distance eastwards to Tollymore Park my boundary therefore has an indentation of the sort of



16th-19th Aug. cont.  
 On 16th I found an *Apartida* cocoon on a leaf of *Barium* replanting 1 ft. from the back garden, upon the detached & *Helotia* *identifica* *Apartida* *nitroscum* Hal. - on a path, specimen with *Helotia* side to base of cocoon & black spine & 2 bright *Helotia* had been - in 8/56.

20th Aug. Very dry day, with no wind, but too hot in places. Chest pruned much longer. Very strong rain & made a water pipe, which will probably be made Anderson's fence.

21st Aug. A very hot day, where we were, on road at Glendrummuck Port, & all morning the all gentle breeze off sea; began cloudy over Glen Lough at 10 AM & rain fell, on all day & so I then took my gun & went into the garden, as my son after my left by 12.30 (noon) bus for Glendrummuck. Had lunch in original place & then went to the N. of the house by 5.15 bus. (W. 4.50 at the school) collected in three areas as follows:-  
 1 = Side of lane from bus to coast, including area of *Salix* *causa* *Hugel* & just above road.  
 2 = Shore, including pile of drift seaweed along coast from lane S. for nearly a mile of beach *Barium* & *Helotia* *maritima* *Salix* *maritima* *Staphylococcus* & grasses, etc. *Helotia* *maritima* common.  
 3 = margin of turnip field, very muddy, just N. of the Port.



M.E. 2, cont. *Glossocampa*, 60 spec.  
 (Lithan near castle & sandstone)  
 Taken at 1, from near *Glossocampa* College in  
 1924-25 (1.5 P.M.) [17 at 1.5 P.M. then killed 20/1/27]  
 Santhia *Tarbuta* *pubescens* ? common when  
*Pteronites nigrostratus* ♀.  
 Bely. *Heliopsis* *submarginata* ♂♂, ♀♀, small etc.  
 on rock of fence at one place - rare  
*H. elliptica* ♂, small  
 Bely. *Ichneumon* *sericans* ♂. *Pygostolus* ?  
*Melanichneumon* *requisitor* ♂. *Pygostolus* ?  
*Alomyia* *debellator* ♀ on ground  
*Glyptothorax* *profligator* ? ♀ not mtd.  
*Chalcid* sp. ♀, ant. 23.  
*Hemiteles* sp. ♀, ant. 13 & 3. *Pygostolus* ?  
 One *P. flugel* ♀ = *Holocnemus* cf. *hypoleuca* Hal. ♀, ant. 24  
*Parasitoid* ♂. *Leptocryptus* *capensis* ? ♀, ant. 24.  
*Apanteles* *falsarius* ♀ not mtd.  
*Meteorus* *abdominator* ♀, ant. 23.  
*Microgaster* *infernus* ♂, ant. 25.

misc.

M.E. 2 (1) cont. *Glossocampa*, 50, cont.  
*Microgaster* *infernus* ♂  
*Chalcid* sp. ♂  
*Pteronites* ♂, 10 } non mounted!  
*Chalcid* sp. ♂, including one large & smaller ♀ *Pteronites*  
*Cynipid* 1  
*Pimpla* *flavicornis* ? small ♂.  
*Leucospis* *bellator* 2 ♂♂, 1 ♀; only ♀ mtd., ant. 27.  
*E. basalis* ♂, ant. 44.  
*E. ?* ♀ not mtd. when labelled.  
*Glypta* *ovipalata* ♀, ant. 28.  
*G. rostrata* ♀, black abd., ant. 41.























4.9.55 cont.

beetle taken in back garden between 2.30 & 3.0 P.M.

*Myrmica ruginodis* 4 by river

*Phaenocarpa* *extrema* in 100% *Colpa*, black yellow Oct. 29.

*Pezomachus* sp. small, wingless, etc. Oct. 20.

*Atractodes* ? Oct. 22.

*Stethorus* *guzotii* ♂, Oct. 21.

*Leucospis* *bellula* ♂ or ♀, Oct. 21.

*T. subphoeniceus* var ♀, Oct. 37, or recent. *T. humilis* ♂, Oct. 42.

*Ly. aphid.* *paucirugatus* ♂ or ♀, Oct. 28.

*Cingulatus* ? ♂ = *C. interruptus* Hodge ? ♀, Oct. 28.

*Metacoelus* *lunulatus* ♀, Oct. 25.

*Blacus* *versipennis* 1 ♀, Oct. 20. *B. trispadina* ♂, Oct. 21.

*B. cf. fuscicornis* ? ♀, Oct. 17 with eggs 3-5 elongated!

*Aphidius* *crispator* Hal. ♂. beautiful, etc. but broken when sitting up. <sup>Nov 2</sup>

*Praon* 15 (mostly *Stethogaster*?)

*Chalcids* 11 (some off *Salsia*)

*Cynipids* 3

4.9.55 cont.

The former again, & I saw 2 of them in garden & 1 of them in the garden. *Phaenocarpa* (black, etc.) & 1 of the *Stethorus* taken, 10 from 10.10.55. *Stethorus* of 10.10.55. *Stethorus* of 10.10.55. *Stethorus* of 10.10.55.

I finished digging, & took 2 from garden & sent to the bank. *Stethorus* of 10.10.55. *Stethorus* of 10.10.55. *Stethorus* of 10.10.55.

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14th Sept 1901 after a night, forenoon with cold NE with a heavy rain, evening afternoon, following the rain & dull with of 15th

At 10.30 left Tallyho near Road (below) with lunch - packed & walked up through the plantation to stile by the Glen River (to summit!) & then up the track above it left bank until I got nearly opposite the Eagle Rock or NW side of Shinn Donard (700m). Then crossed to right bank & ascended by a small tributary, with land with base of the big cliff of the Eagle Rock to which I went across a series of about pure *Vaccinium myrtillus* covering a series & then on a series of larger rocks almost devoid of vegetation. Skirted a boggy, recessed for

So they from "Eagle Rock on north side of Donard" must refer to a spot near the top of the hill not once the fern today. At the top of the hill the wind was very strong & very cold, with mist most of the time. I continued Southwards near the base of the cliff which is very bare of interesting plants.

16.9.58 cont. Stearn Donard, Co. Wick, cont.

Left the mist was getting thicker - the cliff very difficult to see the distance the object. In the bank was another cliff & a scarp at Donard (1000-1100 feet?) & on this there was a slope of peat, grass, & some rocks in the middle of the hill. I went down to the foot of the cliff & then up the cliff face - with some rocks (some of which were yellow & some green). At 12.30 I was on the plateau & walked north on the top of the cliff (about 1200 feet) to the top of the scarp & slopes W & SW of the summit, passing over a wet area where *Capitulum nigra* was not abundant & many quantities of *Vaccinium vitis-idaea* & *Salix herbacea* & *Lycopodium obscurum* in some places. I also collected some moss. I started to descend the summit about 2.10 PM where *Carex pilulifera* is abundant in the moss & grass. I continued down the hill to the S.W. to a stream (1872). Left the summit at 2.30 PM but was coming through a path where the 2.30 of following - the water was running well on to the hill between Shinn Donard & Shinn Donard (1st at 1900 feet?), and reached it at 2.40. Path of the river was the Glen River where it issued from the series. I started *Scirpus cespitosus* & some *Scirpus* & some *Scirpus* & some *Scirpus* for the first time today. The bank is short but down to the track & on back slope of Glen River, nothing. Down at 2.50 about half a mile from the stile at top of the Donard Mountain. At about 2.50 PM I was on the summit.







20.9.56 cont. List of Residues sent to S.P. Jones on loan.

1. Potterside & Lappin sent to S.P. Jones on loan.
  2. Specimen of Uelch I kept Potterside for him to keep.
  3. P. ventricosus Prime. Fairfield, Meigs, U.S.A.
  4. Potterside sent to Mr. Jones, France 25.10.1956.
  5. " Meristhys near Roscoe 18.3.54
  6. " R. T. K. K. K., N. line. 2.5.54
  7. " sent to Mr. Jones on loan.
- Grass seeds on 10th. 10.10.56. (see below)

21st Sept. Very much like previous two days but not so much, yet slight drizzle during night & rain for half an hour after breakfast, but not enough to prevent work in garden. Between 10.30 & 12.30 Potterside about the whole area of back garden not occupied. In afternoon & evening we started collecting all around area. Had on 5 birds of greenish-grey & 11 females. The path birds were -



21.9.56 cont. (see below)

22nd Sept. 1956. Very much like previous two days but not so much, yet slight drizzle during night & rain for half an hour after breakfast, but not enough to prevent work in garden. Between 10.30 & 12.30 Potterside about the whole area of back garden not occupied. In afternoon & evening we started collecting all around area. Had on 5 birds of greenish-grey & 11 females. The path birds were -

In the morning I went to the station along our path. Very much like previous two days but not so much, yet slight drizzle during night & rain for half an hour after breakfast, but not enough to prevent work in garden. Between 10.30 & 12.30 Potterside about the whole area of back garden not occupied. In afternoon & evening we started collecting all around area. Had on 5 birds of greenish-grey & 11 females. The path birds were -



22.9.56 cont.

In forenoon collected in rain. 1st. in the  
stream with net & took the following in garden  
in back garden.

*Limacina* *bellator* var. *bellator* 29.9

*Limacina* *bellator* var. *bellator* 29.9

*Limacina* *bellator* var. *bellator* 29.9

*Limacina* *bellator* var. *bellator* 29.9

*Limacina* *bellator* var. *bellator* 29.9

*Limacina* *bellator* var. *bellator* 29.9

*Limacina* *bellator* var. *bellator* 29.9

23.9.56 cont.

In forenoon day & after rain. 1st. in the

stream with net & took the following in garden

in back garden.

*Limacina* *bellator* var. *bellator* 29.9

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*Limacina* *bellator* var. *bellator* 29.9

24.9.56. Very hot & dry after rain. 1st. in the

stream with net & took the following in garden

in back garden.

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*Limacina* *bellator* var. *bellator* 29.9

*Limacina* *bellator* var. *bellator* 29.9



29th Sept. A very nice, cold day, with strong SE wind at evening & rising glass, wind later SW & in afternoon almost still at times. The staff of our school & day school were, again, working & doing by 10 PM.  
 Received 2 lbs. of black 'green' from George & found among the main part of back beam - so very dangerous, but helped by having in afternoon finished at 7.30 PM.  
 Wasps (V. vulgaris ♀♀) & one small bee (Hymenoptera) seen. Also a few of the (Hymenoptera) seen. Two House Martins seen on 27th & 28th but none today! The main body left some time ago. The note was faint, but the following day, in the afternoon of 30th Sept. several of Swallows & House Martins were flying about the place & some day the upper part of Tollymore was cleared.

30th Sept. After a shower at 8 AM, a very fine morning, with gentle SW wind - sun shining but at times, wind spent a few minutes in back garden with the cat. In the afternoon I went & walked up to the house above the plantation & a few of the Tollymore were seen & some. Swept a few *Stenobothrus* on the up side of the plantation. Some down a single dragonfly - about 100 ft. from the house - flew southward across the front garden - the first dragonfly I have seen since coming to the house.

Donard Lodge,

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160.

9th Oct. 1956. A beautiful sunny day after a misty morning under influence of an anticyclone centred over Scotland but cold on shore breeze arose about noon & lasted till about 5 P.M.

Moved remainder of Sallydoon potatoes to a new clamp W. of the Golden Wonders & spent rest of the day working at new rock-garden & fetching rocks for same. On Sunday, 7th, I brought *Erica cinerea*, etc., from Slieve-ne-Maddy (see p. 158) & today put these in permanent quarters in rock-garden & bog-garden (Nathaniel & Schauer, etc) - the latter at W. end of greenhouse.

10th Oct. Woke for an hour about 10 A.M. this day was spoiled by a cold sea fog which moved inland & cut off all sun after 11 A.M. A portion of the back lawn sown on 26th Sept. was up this morning, but only where the sun shined on it between our house & the Andersons. Spent the day carting rocks from Taggart's dump across the road & placing them in the new rock-garden.

161.

11th-13th Oct. 1956. The 11th Oct. was almost similar to 10th & spoiled by a sea-mist which got very thick towards dusk, but later cleared on a S.W. wind rose & blew strongly till late on 12th which was a finer day than 10th or 11th. The 13th was a perfect & entirely sunny day with gentle wind, S.W. breeze, after a very brief shower just plant down. The remaining parts of the back lawn sown on 26th Sept. produced a braird on 11th & 12th but only isolated seeds have appeared by 13th. in that the main part sown on 29th. On 11th finished carting rocks from across the road for new rock-garden & on 12th finished the layout of this part of the garden, which on 13th I started to transfer the plants I had brought from Dublin into it & began with *Sax. oppositifolia*, moving 4 clumps from W. row in front-garden; one clump from Row 1 (S. border) in back garden; one clump from Row 2 & one from Row 3 - all sown from Benermagh, Co. LD; also a second clump from Row 3, that I have labelled as from "Ben". These all planted on S. side beside path along S. boundary fence. In same plot & further from path I transferred the following clumps of *Sax. aizoides*: - one clump from Row 2, S. border; two from Row 3. With the Benermagh *Sax. opp.* were about 10 plants of cowslip from Dublin & these separated & planted in front of Daisy's bulbs on N.E. side of rockery facing kitchen. 2 plants of *Geranium robertianum* (seedlings: ex *glauca* deep pink) & one plant of *Hieracium* ("peltatum") from front garden in Clareville Rd.; as well as several bulbings of *Poa alpina* from Snowden. These extra plants separated & labelled. On 11th & 13th saw a Small Tortoiseshell Butterfly & on 12th a Speckled Wood Butterfly & a *C. aenea* in back garden. *Proctotrupes glaucus* Hal. small ♀ on kitchen window.



14th Oct 1955. Sunday. A fine dry day, with much hot sun, strong S.-S.E. wind & mist over sea & some hills, e.g. St. George's. Before dinner transplanted the remainder of the *Sax. aizoides* brought from Dublin, as follows: — 5. Border, row E from Norway, ditto, row 10; 2 clumps in W row of front garden, one of which mixed with *Alchemilla alpina* from new water tower door in Clareville Road, should be from Norway. Also transplanted the *Sax. aff.* from Swardon (from S. border, row 14 & front garden, W. row) in plot facing kitchen; & that from E. row in front garden (from Mackinagh, W. below) in spot near S.W. corner of the house. The *Alchemilla alpina* above ref. to I planted between two rocks near E. end & facing Anderson's avenue.

In afternoon Daisy & I walked via Loxwood Lodge & pit for The Harbour to the quarry on N. face of the millstone mt. & back via the Glen River. Daisy saw a black & yellow-striped Small Bee & at dinner I saw a Small Tortoiseshell butterfly cross front garden. Small Plum Moth taken on staircase window. *Coccinellid* (=) taken in garden.

15th & 16th Oct 1956. Both days were dry, the former sunny, the latter mainly dull & with rising southerly wind which by 10 P.M. had reached gale force with heavy rain from S.E. Spent both days moving plants — mainly the Moss Saxifages — into new rock garden. On Monday evening (15th) we went to call on the three Misses Murray <sup>Miss Murray gave me an *Hemiphaedra* (Latin) from the garden</sup> in Sherwood Park & returned about 11.15 P.M. Two of these retired ladies are members of B.N.F.C. & are especially & mildly interested in botany & gardening. 17th Oct. After a tempestuous night & heavy rain, till 4 P.M. when wind had gone round to S.W.-W, the day was almost cloudless but a strong cool wind more than tempered the sun. I 'Gardened' very wet after the heavy rain, but continued to transfer the Moss Saxifages to new quarters & later moved 2 clumps of *Veronica saxatilis* (particular) originally from Norway, Flanndal, in 1909 (brought at my request by my brother Sydney H. Stelfox). These have done remarkably well here & were very firmly rooted. While we were at dinner, between 1.0 & 2 P.M. a swarm of House Martins appeared in front of the house & at least a few remained for over half an hour. There may also have been Swallows amongst them, but all definitely identified were House Martins. There were at least several dozens of them, & yet we have not seen one since seeing the swarm of House Martins and Swallows on 30th Sept. — but of course they may have been here all the time, as we were both busy & yet I doubt believe they were, but if not — where did today's come from?



18th Oct 1956. A very fine day, with much sun, wind South or SE. & strong at times, but no showers.

Continued transferring plants to new rock-garden! Saw a Bumble Bee, either *coo* or *Bombus agrorum* at flowers of *Nasturtium*.

19th-21st Oct. The 19th was a dreadful day of gale & rain. The entire day was wet with fall of  $\frac{3}{4}$  inches of rain reported from Wickham & over the coast. Spent much time in the garden. 20th was dry, but mainly cloudy & the garden still so wet that little could be done. About noon Daisy called my attention to two House Martins flying round the house, but we only saw the first. Late in afternoon I transplanted 2 plants of *Erica medeolensis* & one of *E. stricta* to new rock-garden. The 21st was a very fine day, day with more sun than 20th, but sunshine came through a large blue hole in the clouds but cloudy conditions appeared to prevail in most surrounding areas. In afternoon Daisy & I walked to top of plantation at its SW. corner near the Tullybrannigan Burn. Transplanted *Andromeda* & some *Crabapple*.

19-21 Oct. cont.

The grass sown in front garden on 6th just visible in one patch on 19th, but all over the plot on 20th after the heavy rain of 19th & a warm night. The "back lawn" now quite green all over, but coming in showers then showed like - perhaps owing to the shading of the house which covers most of it during the forenoon.

22nd Oct. A mild blustering day, with rain blowing in the wind from 10 AM, but work in the garden not interrupted until 4.40 P.M. when a thick drizzle blew down from the mountains. Strong westerly wind all day, but this dropped at night. But all fruit - except plot sown on 6th - in forenoon later continued transferring plants to new rock-garden.

23rd-26th Oct. Cold to very cold, with strong SW. wind & heavy sleet showers, until 26th - then milder & only slight NW breeze & dry. A terrific hail & sleet storm at 2.30 P.M. on 23rd left summit of Shire Doonard & Shire Connemagh white, which followed by snow showers on night of 23-24, lasted until the milder weather of 26th. On 25th we walked via Boyanford Road to the Barbican Gate & into Tollymore Park as far as the car park (on site of the old House) & then back by the river drive, calling at fuel office to see about logs, & home via the Priest's Bridge & Tollybrannigan Lane - about six miles altogether. Left home about 10.10 AM, & reached home at 12.15 noon. Continued transferring plants to rock-garden on 23rd & forenoon of 24th. Impossible on 25th & 26th, so did some digging.



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26.10.56, cont.

In afternoon of 26<sup>th</sup> Daisy & I had a walk in the plantation of "Donard Lodge" & I swept for a few minutes & took two Chalcids, & one of Ich & follows: —

27<sup>th</sup> A fine day, after some rain at night, milder & calm. In forenoon did some digging & in afternoon transferred some more plants to new rock-garden. In evening continued work of mounting plants, which I have been working at in evenings since summer, this ended on 1<sup>st</sup> Sunday in Oct.

28<sup>th</sup> Oct (Sunday) Mainly fine: very hot & humid in morning, after rain & drizzle for a couple of hours from 9 till 11 AM. Then wind went from SW to NW & then strong & cold for rest of day. Rain was nearly dry, though showers elsewhere. In afternoon Daisy & I walked via Donard Lodge ruins through the whole E. extent of the forestry plantation & up an old tramway track which at one time

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25.10.56, cont

led to a granite quarry on E. side of Trillick Mt., at about 9000 feet. At about 900 feet we left the track & climbed on to the ridge which runs north-east from the Trillick Mt. & got a view N. over Newcastle & S.E. towards the Black Bridge. Brought home seedling (2) of *Ulex gallii* & plants of *Hypericum patchicum* for back-garden. No sign of *Silene anglica* or *Jasione montana*, which I also want for the garden. The above ridge is metamorphosed "Silurian" rocks, but its S. slope & summit is scattered all over by boulders of granite. Erratics!

Saw a green wasp in greenhouse in forenoon — probably *V. vulgaris*. Fly in flower on ash tree in front-garden by stream.

29<sup>th</sup> 31<sup>st</sup> Oct.

Cold & dry & mainly cloudy in Newcastle. Continued to move plants brought from Dublin into the new rock-garden.

1<sup>st</sup> — 3<sup>rd</sup> Nov. Still cold & dry & mainly cloudy, but wind more NW. than NE. & Barometer which had stood at 30.7 now back to 30.0. Started to shape the continuation of the rock garden towards the stream & on 2<sup>nd</sup> transferred most of the larger ferns, including *Osmunda* (originally from Clare Island, Co. Mayo, in the *Transforasburn* Fern (given me by Lady Merion H. Porter, who in turn received it from W. H. Phillips of Hollywood, who had a plant off the original found in 1861), *Atypium aculeatum* from Carnlough district 1920; & also the portions of *Euphorbia hibernica* clumps, divided last April.



3.11.56, cont.

George, Margaret & Doris spent the day with us. The last measured against sitting room door now 32 inches in height. She was born on 25th April 1955.

During the last week one or two Grey Wagtails have been seen in the garden along the stream. They were seen in April or May last, but not since we arrived in June.

4th - 6th Nov. Continuing dry; very cold & windy, on 4th, still windy (NW) on 5th but much sun & so quite warm in sun & shelter; wind dropped at sundown on 5th & a very white frost & clear night followed. 6th entirely sunny & windless from sunrise to sunset, after which clouds appeared from south: a most lovely day & almost too hot to work in sun at midday. During dinner a Small Tortoiseshell Butterfly flew across front garden & then fluttered outside dining room window as if to prove its identity. Honey bees very active.

6.11.56, cont.

& Doves & other Pouter Flies seen in garden. Continued making the stream-side path & rock garden between greenhouse & stream, as well as transferring plants to their places in main rock-garden. At about noon an enormous flight of wild swallows, rooks, stretching for about a mile, passed to north of us. Moving inland towards Tullymore Park: this is all the more singular because since we came to Tullybrannigan Road in June we have seldom seen more than a few odd rooks at any one time, the Corvidae being represented by scores of Jackdaws. In today's flight I heard no jackdaws though I can't say there were none as their cries may not have reached me, but all in the flight looked to be Rooks & I only heard Rooks.

7th Nov. Dry, but very wild with southerly gale, severe at times towards nightfall, but mild & only an odd stiff breeze blowing in the wind. Continued work in rock-garden. 8th Nov. Gale continued severely all night & during hours of daylight, but no appreciable rain fell here till 3.30 P.M. Could do no work in garden. In afternoon Daisy & I took a walk through plantation as far as the Tullybrannigan River & back again, after collecting a bag of firecones.



9th-20th November 1956.

Mainly dry & dull, sometimes windy, but several days almost windless. Several days were however, sunny & out of the wind. The period may be described as "mild".

Continued throughout the period to transfer the plants brought from Dublin to their new places in the new rock garden. On 20th planted *Hieracium* & *Geranium heterophyllum* on N. side of the stream just behind the house. On 14th & 15th ( ) saw out

of a clump of sedge, which I am transplanting, & on 20th a ♀ *Pimpla instigator* was found "swimming" in the water in a water-tub.

On 18th we had a new walk from Tullybrannigan Rd. W. of the Tullybrannigan Burn across the field by field path & across to right bank of the Burn & thence into the W. end of the Donard Lodge plantation. We crossed the Burn to left bank where the new water pipe crosses it not far below the tip formed of material from the tunnel under

On 15th Nov. a *Chalcid* sp. ( ) taken in green house  
On 20th a *mosquito* ( ) taken in house

Thomas mountain made in 1890s to carry the Belfast water supply from the Silent Valley reservoir. We followed the left bank of the Burn upwards to a point about 1/4 mile above the plantation & visited several scree on N.E. slope of Slieve-na-Brock, but found nothing of interest there. On the flat wet ground W. of the Burn in a vast area of what appears to be untouched natural moor which looks as if it might carry an interesting flora. Leaving the scree at about 800-900 feet we recrossed the Burn at about 700 feet & came home via the iron gate at top of the plantation & 1/8 mile E. of the Burn. On the night of 19th Nov. I finished mounting the store of dried plants which had accumulated during recent years. They included many specimens grown in garden of 14 Clareville Rd., Dublin; those taken in Donegal in 1955 & in Clare (with E.S.A. Byrne) during a brief holiday in August 1955 & in addition those taken in the garden of 21 Tullybrannigan Road since our coming to live in the house on 18th June 1956.

21st Nov. Very gloomy with S.E. wind like the previous few days, with there no doubt English smoke mixed with the clouds & cutting off the light. Continued transplanting! A very light drizzle off & on in forenoon, but not enough to wet the pavement. Dry & sunny otherwise. A *Procto.* ( ) taken running on ground as I came in from garden to back door.



22<sup>nd</sup> 25<sup>th</sup> Nov. 1956

The 22<sup>nd</sup> was a very wet day! Rain virtually all day but 23<sup>rd</sup> a very nice day with considerable sun in forenoon when we went with eldest son moving along the sandhills to N.W. angle of the golf links to see a small pond she had told us about. It is a rectangular pond about 30 x 10 yards & obviously artificial & probably dates from time railway was made in the last century, as it is right up against the old railway to Dundrum (now abandoned!).

The pond contains *Potamogeton* (cf. *natans*?) *Alisma* sp. *Cyperus palustris* Linn. &c. Brought home roots of *Cyperus*, Linn.'s *Alisma* & put these in one of the metal containers at SW angle of the greenhouse. Then crossed the dunes & came home along coast (strand) where many common marine shells seen. The dunes between the golf links & Marlough House in beautiful order as the rabbits all killed off a few years ago by myxomatosis, but the Forestry Dept. has seized them & are about to plant & so destroy them. Daisy heard a mistle thrush singing in the Hotel grounds as we came home.

23. 11. 56, cont.

On 23<sup>rd</sup> the commonest plant in some areas on the dunes is *Phacelia nodosa* - the sand being non-calcareous & I thought a plant & two seedlings for the garden - the plant being still in flower, being "Planted Straightaway".

24<sup>th</sup> Nov. A nice dry day till 4 P.M. when wind shifted up & a drizzle started. Gale from S.W. all night but not much rain.

25<sup>th</sup> Nov. Mild with gale & rain morning & evening but afternoon fairly dry, so we spent nearly 2 1/2 hours walking in the plantation above the ruin of Bonerd Lodge. On S. side of the main drainage channel on S. side of the uppermost road, E. of the upper bridge over the Glen River & a few hundred yards W. of the bridge over Lindsay's Leap - a stream which drains the hollow between Thomas's Mt. & Millstone Mt. & falls into the old granite quarry above the plantation & thence down to the sea at N. end of King St. - we found 4 plants of *Ringicula lusitanica*, two of which were still in flower - brought one home to put in comp. plate where *grandiflora* has flourished since I got it at Cloophane, Single Peninsula, in June 1946.

The place the *R. lusitanica* grew on was kept & dripping owing to drainage from a wet patch with much *Molinia caerulea* on the slope S. of the road, yet was a very curious place to get *lusitanica* & at least a mile from the nearest locality for the plant given by Stewart & Braeger in their *Flora of the Moors*, 1882. Caught a mosquito (*Theobaldia*) in window.



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26th Nov 1956

A blustering day, but mainly dry except for one heavy shower about 3.30 PM. W? h? with (No 1 Tullybrannigan Rd.) garden about 3.00 PM. raspberry canes - of two kinds - which we got planted in back garden. Caught a Plover. ( ) in bottom basin at 1 PM.

27th Nov. Colder, very blustering, with hail & frequent showers, but considerable sun in forenoon.

In afternoon we walked to the Harbour & from King St. up the old quarry tramway & home via Leonard Lodge. First flower of *Alex europaeus* in back garden.

28th Nov. Another wild day with wet snow showers over the hills from 8 AM. onward & heavy & prolonged snow showers over the low ground between 3 & 4 PM.

Quite a lot of sun in forenoon between the showers, but the hills & white above the Plantations or say 600 ft. from mid day onwards. In afternoon we walked to the Harbour & back via Leonard Lodge ruins & the plantations. *Potamogeton pectinatus* in flower in flower above Harbour, probably in flower some days. *Pedicularis sylvatica* seen in flower also.

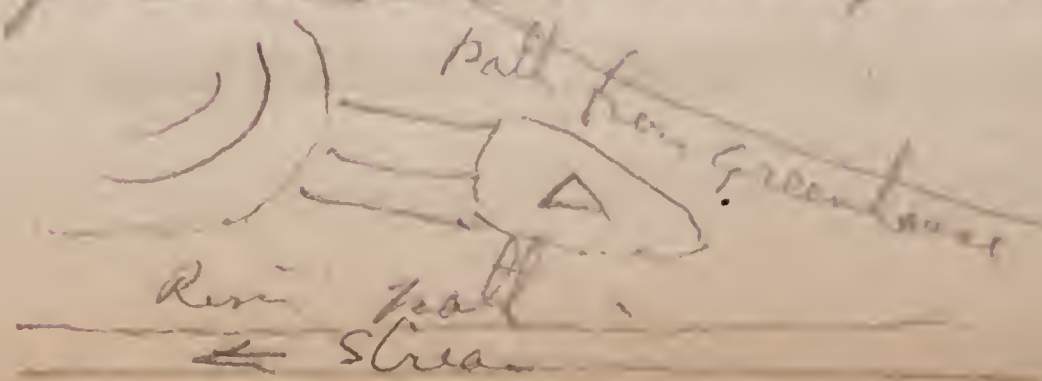
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with NW. wind & occasional at nearly all during in rain & sun. Rain scattered hard, & C, with ten snow grains snow lying below 200 ft. garden Wild carrot & in flower - autumn down earlier, I presume.

with slight drizzle at noon dry & mild wind in evening. Wind from SE, SW. rain - a tough job every week, &c.

Thrush singing at Song Thrush singing (Tullybrannigan Rd.). much more. Mild with all snow gone from Transplanted a few

new plants, *Salix acutis* (from Snorndon 1920) & *Helianthus annuus* from the Burren, sent by R. P. Phillips. Also did some more work at the river path & completed step down to it from greenhouses & triangular patch below the two huts.







A.W.Stelfox Esq,

23 Tullybrannigan Road,

Newcastle

Co. Down.

*John L. Jones  
St. James  
16.9.56*



Shew Bond  
16.7.51.

Salm-larbaea

See diary

p. 149.









174

26th Nov. 1956

A blustering day, but mainly dry, except for one heavy shower about 3.30 PM. M<sup>rs</sup> & M<sup>rs</sup> (No. 1 Tullybrannigan Rd.) gave us about 3 dozen raspberries - of two kinds - which we got planted in back garden. Caught a Procto. ( ) in bottom basin at 1 PM.

27th Nov. Colder, very blustering, with hail & frequent showers, but considerable sun in forenoon.

In afternoon we walked to the Harbour & from King St. up the old quarry tramway & home via Doward Lodge. First flower on *Ulex europaeus* in back garden.

28th Nov. Another wild day with wet snow showers.

Over the hills from 8 AM onwards & heavy & prolonged snow showers over the low ground between 3 & 4 PM.

Quite a lot of sun in forenoon between the showers, but the hills & white above the plantation or say 600 ft. from mid day onwards. In afternoon we walked to the Harbour & back via Doward Lodge ruins & the plantations. *Pulsatilla fragrans* in flower in flower above Harbour, probably in flower some days. *Pedicularis sylvatica* seen in flower also.

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29th Nov. 1956. Very cold with NW wind & occasional light showers of sleet, but nearly all sunny in forenoon & pleasant sun in sun after sheltered from the wind. Shire Donald, etc., with less snow than on 28th but on the Grim snow lying below the upper limit of plantation.

In wazzy at end of back garden Wild carrot & *Ranunculus acris* continue in flower - autumn growths after being cut down earlier, *Sparganium*.

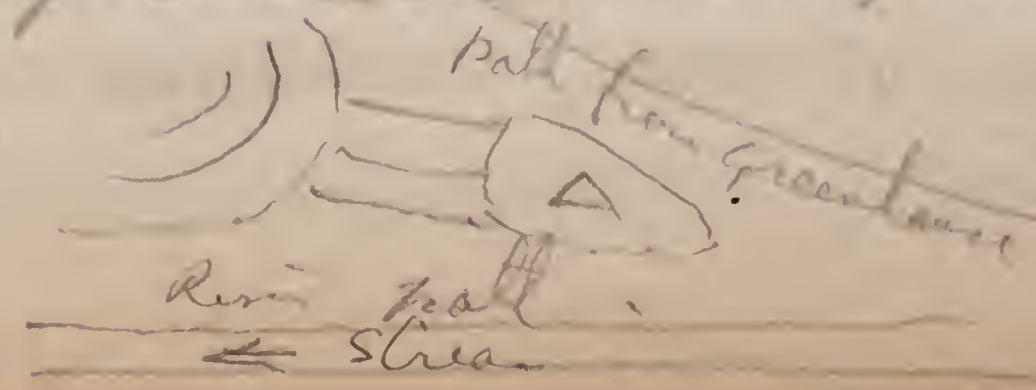
30th Nov.

Much warmer & windless with slight drizzle at times in forenoon, afternoon dry & mild but drizzle & increasing wind in evening. Wind South all day with draughts from SE & SW.

Went on with work at path to river - a tough job owing to roots of some bushes broken, etc.

David caught a huth Thrush singing at 10 AM & later saw a Song Thrush singing near M<sup>rs</sup> McNeill's (No. 1 Tullybrannigan Rd.).

1st Dec. 1956 A nice day, but not much sun. Mild with southerly wind, strong at times. All snow gone from Shire Donald & other hills. Transplanted a few more plants, including *Silene acaulis* (from Snorndon 1920) & *Helianthemum canum* from the Burren, sent me by B. Phillips. Also did some more work at the river path & completed step down to it from greenhouse & triangular patch below the two paths.





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6th Dec 1956. Cloudy with early drizzle & later a heavy shower about 3 P.M. Very mild & very windy till after shower, later calm.

In afternoon Daisy & I had a walk through the plantation & explored a footpath from upper avenue 1/2 mile E of the Glen River. What led us up to where they are replanting an area destroyed in a fire a couple of years ago & incidentally, with all the native species such as birch & rowan. The young leaves of the Rhododendrons very badly eaten during autumn by some insect, but what I don't know.

Took a very large mosquito on stivice wall at 10.30 P.M.

I think a *Therobulbia*

3rd to 5th Dec. Stormy, S to W., every day & night, with drizzle at times, but no heavy rain; very mild; only a little sun each day in forenoon. Continued transplanting, & when weather permitted this, the making of path by the stream - which from now onwards I will try to remember to call "The Burn"!

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6th Dec. 1956. A wonderfully mild, but dull & dry day! Thrushes, Robin, & singing everywhere & with only a gentle SW breeze it would have made a very nice summer day. Continued transplanting, &c., in garden: took a *B. chelid* on dining room window =

7th Dec. This day promised better even than yesterday, after a calm dry night, but at 10 P.M. an east wind brought the mist hanging over the sea inland & slight drizzle occurred from this time till after 12 noon, when it was much colder. The afternoon was dry & dull with NE. breeze. Continued transplanting & amongst the plants moved were two of the hybrid rose from Skerry O'ed Church near Broughshane, Co. Antrim (July 1950!) which I planted between my entrance gate & the big boulder above the burn to try to keep small boys from playing there. Found *Larva Galandina* in full leaf on the burn in back garden. Took a ♀ *Aphidius chrysanthemi* <sup>ant. 14</sup> on dining room window, there for some days. Aphides (winged) have been seen & believed to have come off *C. chrysanthemum* given me a month ago by Miss Murray.

8th Dec. A marvellous day! Dry & mild but cooler & dryer air than on 6th with stronger SW breeze but entirely sunny till 1 P.M. then cloudy. Finished the transplanting of plants brought from Dublin with the exception of 6 fern cuttings in back garden & a few other plants in front garden. Many birds singing!



9th Dec 1956. After a dull drizzle, morning & one shower at 1.30 PM a nice afternoon. Strong S. wind much colder than of late till about 3 PM. Then glass recovered from a trough & wind went W. & dropped, giving a calm starry evening. In afternoon we walked via Donald Lodge to the ridge in plantations S. of the Harbour, up this rid (very steep) & over the wall at top of the plantation at its angle on N. side of the E. ridge of Millstone Mountain, thence W. along the wall & over another wall, or rather through a deep gap in it - till we reached the old tramway site from the big quarry between Millstone & Thomas Mountains, then down to the avenue & home by same route as we began. Above the plantations are well untouched swampy places with much *Schoenus nigriscens*, in which we saw *Prunella lusitana*. These might yield other interesting plants next summer.

10th Dec. Dry in forenoon, which allowed me to transplant 4 fern cultures brought from Dublin & so finish the transplanting of all but a few in front garden. Gale & heavy rain in afternoon & evening & then a fine night.

11th December 1956. Heavy rain from S.E. started at 8 AM & continued till 2 PM. Then wind went west & a fine clear, cold, afternoon followed & glass recovered from a slight "trough". Gale & mild at 9.30 PM. Could do no work in garden but spent an hour in plantations above in afternoon. <sup>Another *Aphidius chrysanthemi* taken today on dining room window</sup>

12th December. After a fairly calm night drizzle started before dawn & heavy rain continued with rising gale till about 11 AM. Then following a severe squall the glass suddenly rose & when cleared & we had bright sun till 2 PM. Then a severe hail storm with one flash of lightning passed over us & out to sea.

The wind continued strong & gusty all afternoon. In forenoon I fetched pieces of granite rocks from Taggart's dump across the road & in afternoon after the hail & thunder we went for a walk in the plantations above the ruins of Donald Lodge, collected cones, saw the *Prunella lusitana* in flower. Have seen on 25th Nov. Brought home a young plant of Spindle Tree from floor of quarry on upper avenue W. of the upper bridge.

13th Dec. We awoke to find the hill above 1200 ft. White with snow & it was another cold & blustering day after rain at night. Wind in gusts of gale to severe gale force all day & evening, but much sun till 1 PM. Later showers passed with a more cloud about.

Made steps from SW corner of greenhouse to upper path in forenoon & in afternoon we had a walk through the plantations as far as Tullybrannigan River & collected cones & sticks for the fire.



13.12.56, cont. Received the drawings from Marcus Graham (Herts Museum Oxford) to illustrate description of new species (17) of *Draconaria*, sent with 2 types after. in E.M.M. early next year & later the specimens came by parcel post. Will start typing the MSS. Sheet has been checked by H.W. Selby & Graham.

14th Dec. After a wild night & very heavy rain in the early hours the day cleared about 11 A.M. & became clear sky & much sun. Not so cold as 13th. & snow nearly all gone by noon. In afternoon we walked to ruins of Donald Lodge & up a path by E. side of the famous falls on the Glen River. Which today must have been nearly as good as on the days before they were tipped on a water supply for Newcastle. The falls above the big quarry E. of Thomas Mt. & above on the "Black Stairs" W. of same very full & imposing from a distance. Gale continued all day from SE-SW & very severe in evening.

15th Dec. 1956. My 73rd birthday! and a wretched day. After a promising start & rising glass the latter suddenly dropped about 10 A.M. & heavy rain & gale set in & continued till late afternoon. Then a fine night.

16th Dec. (Sunday). A dry day. In forenoon I drove to home at 11.15 & walked to the top of the plantation by the Glen River. Then it being so extreme I crossed the river & went up to "The Black Stairs" to the waterfalls on W. side of Thomas Mountain to look for *Equisetum hyemale* & found it on E. side, near the top of the falls & below a rocky scarp, thus proving that the height given in Stewart & Prager's Flora of the Mountains, namely 1700 feet, should read at about 1100 feet. See I.M.F.

On this occasion I did not see or look for the *Thalictrum montanum*, which grows on same side of the falls but a little lower down.

In afternoon Michael Morrison of Queen's University Belfast came to see me & we had a long chat about our post-glacial fossil flora.

I hope to see more of him in the future & arrange for some kind of a survey of the deposits at the White Bog & neighbouring depression near Killybegs, which R. J. Welch & I worked for molluscs before & after the 1914-1918 war.

17th Dec. A cloudy but dry day here - sunny inland - followed by a very clear windy (SW) evening. Snow on summit of Slieve Donard very beautiful illuminated by almost full moon - like Fujiyama.



181.

18th - 20th Dec. 1956. These nice days on the whole with much sun on forenoon of 19th & 20th, which were mainly calm. Cold & windy & dull on 18th, calm & cold on 19th, calm & mild in forenoon of 20th but wind turning E. brought a cold mist over the land & wind (SE) rose in evening.

During these days most of England was blanketed by fog. Spent 18th & 19th completing the steps to upper path from SW corner of greenhouse & the semi-circular driveway S. of greenhouse.

On 20th I transplanted most of the plants in E. row in front garden brought from Dublin. These included two cuttings of the Farnham Carn, *Salix nigricans*, one of which I planted near Anderson's fence & not far from the *Salix cinerea* in SW. corner of back garden; the other I planted on N. bank of the burn on other side of back garden & opposite the Hawthorn on the S. bank. Two cuttings of *Escallonia* (from Ellis's garden in Clarendon Rd. Dublin) & these I planted on N. bank of the burn in front garden.

182.

20.12.56, cont. In planting the *Escallonia* I had to do some clearing of the bank of the burn & in doing so I found a patch of *Saxifraga cuneata* & much lesser *Calandrinia*, one plant of the latter bore a fine large flower which looked as if it might have been out for a day or two.

In back garden several of the wild grasses in good flower & took specimens of three of these to press, as follows: — *Poa*, *Dactylis glomerata*, & *Agropyrum caninum*.

21st Dec. A nice dry day, but a little drizzle during late evening, after a heavy dew. Caught a *Dacnusa* in dining room window, which like the numerous flies seen in same room almost certainly came from the leaf-miner in the Korean *Chrysanthemum* given me a month ago by the ladies Murray & from which I believe the *Aphidius chrysanthemi* & probably several Chalcids also were derived.

22nd Dec. A lovely sunny forenoon, after heavy dew. No wind & no drying & a misty fog drifted in from sea in afternoon & drizzling at 10 PM. George, Margaret & Dora arrived at 5 PM. to spend Christmas with us. Did some weeding in lawn & dug plot in front garden where some plants had been since we came in June.



23<sup>rd</sup> Dec. 1956. Dry in forenoon, but gale & rain  
— afternoon from SE. (Swindon).

24<sup>th</sup> Dec. Gale from E. NE all day, veering SE. but  
in day. Dry in forenoon, very wet in afternoon  
but clearing for a dry windy night in late evening.

25<sup>th</sup> Dec. Severe gale all day, with rain, sleet & wet  
snow from 10 AM onwards & still raining at  
10 P.M. & no falling off of wind. Electric current  
cut off about 3.30 P.M. & except for a few minutes  
about 7 P.M. & an odd flick at intervals we had  
no current till bed-time.

26<sup>th</sup> Dec. A perfectly calm day, mild & dry, with  
all the mountain snow-covered above 500 ft.  
& inland as low as can be seen behind  
Castletown. No electric current  
all day till 9.30 P.M. & we learned  
that all Co. Down & much of Co. Antrim  
cut off.

27<sup>th</sup> Dec. Mild, with heavy rain & gale  
during night. Electric current  
cut off at 8.10 AM & not restored  
till 6.30 P.M.

28<sup>th</sup> Dec. 1956. Rain cleared off & much snow  
gone off hills & quite mild & everything in flood.  
In afternoon George & I went up path  
E. of the Donard Falls which were in  
fine form.

29<sup>th</sup> Dec. A most lovely morning, sunny, mild  
& calm, so at 11 AM. I got some ready-made  
& set off up Slieve Donard, though well-  
knowing a depression was approaching from South.  
Left house at 11 AM. & walking via ruins of  
Donard Lodge, reached track from the harbour  
in 24 minutes, thence up the old cable-tramway to  
the big quarry (45 minutes) & the path along the  
burn above it to the watered overlooking  
then Tofaney & the Bloody Bridge river  
(70 minutes). Just after getting in sight of the  
cone of Slieve Donard from the moor S. of  
Thomson Mt. mist started to roll up from SE.  
so I knew the depression was approaching, but  
rained on across the flat moor where many  
snow patches & frozen pools lay about  
& went up Slieve Donard to about 2,300 ft.  
where tumbled down rocky scree & snow, above  
Sax Vespertine strata, but nothing of more  
interest & turned back to ridge, Thome at  
1.10 P.M. On reaching the small cairn on  
summit of Thomson Mt. I dropped down the  
rocky scarp at its NE angle, which from  
below look very nice, but the only interesting plant-



185.

29.12.56, cont. Stan Leonard & Thomas both seen on a fresh & quite normal flowering spike of *Carex demissa* (which taken & dried). Here flushed a flock of small finches, which I believe to have been Twites. Then came down by sheep path to the burn & home via quarry, etc., on our outward walk. Arrived home at 2.50 P.M. by which time wind swung to N.E. & rising, rain threatening & mist down on hills to below 1000 ft. Actually no rain fell till near midnight! Miss Pat. Kerland & her sister Denise arrived at 6.45, also the two Miss Murray, for a show of slides she brought home from U.S.A. some time previously & we had an enjoyable evening. Collected a seed head of what I assume is *Pedicularis sylvatica* near the waterbed above the quarry at ca. 1500 ft. with little black spots of a microfungus on the seed pods & gave it to Miss Kerland & about same place took a *Dipteron* which was flying in the sun.

186.

30th Dec. 1956. After very heavy rain & wind from N.E. a poor windy day, though no rain from breakfast till mid-3 P.M. After dinner George, Margaret & Zara departed for home (Belfast) & I went up to the plantation & felled home a bag of faggots, by which time it was raining hard.

31st Dec. 1956. A dry rather cold day but mainly dull & with strong S.E. wind. In afternoon we walked to upper bridge above the Donard Falls & returned with faggots for the fire. The *Pringuicula lusitanica* still in flower!



187

1957

1st January 1957. Except for drizzle before dawn & again at noon this was a fine day, especially in the afternoon. Ben & I walked along the sea-edge of the sandhills as far as the boundary of the golf links, where we noted that a strip of ten yards had been left, as a passage to the sea, between it & the new forestry fence.

In forenoon while digging in back garden near the burn found a large patch of *Geranium columbinum* with one flower rather bettered & probably about a week old near the *Glyceria* fluitans & on N. bank of the burn.

In the sandhills many daisies (*Bellis*) & some *Carduelis* were in flower beside "hang-over" of flowers of *Lasione montana* & *Leontodon autumnalis*.

188

2nd &amp; 3rd Jan. 1957.

Both days mainly fine but early night of 2nd-3rd wet & windy, & very stormy but dry in early hours of 3rd, then a fine sunny morning until dinner when a squall approached with strong wind & rain at 3 PM. Both days mild. On 3rd while digging & clearing for water at foot of back garden in the "wuzzy" came on a 12" earthenware drain pipe obviously intended to drain the somewhat swampy ground & carry the water from centre of "wuzzy" into the burn, but the open channel approaching the pipe had been completely blocked & no drop of water reached the pipe though there it got to the burn. I can't say when the obstruction was removed & water flowed quite nicely through the pipe to the burn, but I want it to flow in my new open channel & not underground in the pipe, so what?

Veg. Garden

"Wuzzy"

-filled in 1957

-12" pipe

Burn

Hedge

Hemlock bush

4th Jan. Very heavy rain & gale from SE. all day. Very mild & night of 4th-5th in London said to have been the warmest January night since records were kept ca. 80 years ago.



189

5th January 1957. After a dry night, drizzle started about 10 AM, with heavy rain for some hours later, clearing  $\pm$  in afternoon.

Calm in forenoon, severe gale in afternoon & early evening. Still very mild. Donard waterfall in full spate! Sent cheques for subs. (1957) to B.S.B.I. & Ent. Soc. Mag., also to Woodman of Birmer, Mx., for pair of rubber "blossoms" & Carter for seeds & corms of Freesia. *Daphne blagayana* flower now open (on S. side of greenhouse).

6th Jan. After a dry night a very heavy squall & shower of steady rain fell for half an hour just after dawn, but later a fine sunny day developed with strong, cold, gusty wind. A fresh skin of snow observed on St. Donard in afternoon & one or two drifts still there, about 2.500 feet, since snow. A severe drop in temperature since yesterday!

7th Jan. A dry, but very windy day, with some sun; quite mild & dry now. In afternoon Harris & I made our way to top of Brinallilly through the plantation. We could almost stand on the summit which is only 800 ft. alt. owing to wind.

190

8th January 1957. A dry, mild, very windy (S.W.) day, after a stormy, drizzly night.

Saw many yellow Crocuses in front-garden of a house in Causeway Road which must have been out for some days. Another Calceolaria flower in stream in front-garden.

9th - 13th Jan 1957.

Weather drier than of late but still windy & cold wind at that. Received from J. Brunker ship of *Crotaphytus* from our old garden in the Clonville Road which originally brought from Skerryvore & Agnew's Hill & then from the former locality had died & only one scrap of that from Agnew's Hill remained. On 13th - a dry, cold, all sunny day, the sun for first time since Nov. topped Thomas Mountain at about 4.15 PM. but we not yet enough elevation to top St. Donard.

14th Jan. A foul cold sunny day, no wind, after a very hard frost. Continued clear below freezing point, even in sun, in front garden. In afternoon Harris & I went up Brinallilly & down to the "Water Tower" built to ventilate the tunnel through which runs the shaft of water supply from the Silent Valley.

15th Jan. A mild dull, with frost-guns. In afternoon we walked to mid-hill & back & I collected a few insects by pulling up mosses & grass. Took the following:



191

16<sup>th</sup> Jan. 1957. After another frosty night & very nice sunny forenoon. Dull in afternoon, & almost windless. Then we walked via Tullybrannigan Road to the <sup>self</sup> waterworks house at Chet-Stubbin is called Tullygarr & then S. up the pipe-line to the building garden. The pipe where it emerges from the long tunnel, across the Tullybrannigan Burn & home through the plantation. Made catkins well out on the Hazels along the Tullybrannigan Burn a little west of the bridge on Tullybrannigan Road, but I could see no female flowers.

In garden the *Lamium galeobdolon* I brought from near Lyman Castle, Co. Dublin, with one flower spike nearly out.

17<sup>th</sup> Jan. After a very hard frost, a nice windless, sunny forenoon, with mist on the hills. Thick cut off the sun from about noon onward.

In afternoon we explored new path in upper part of the plantation on Benachilly & W. of same as far as the boundary wall.

192

18<sup>th</sup> Jan. 1957. Apparently milder with considerable sun in forenoon, windless, but in shade ground never thawed & an intense frost set in in evening.

19<sup>th</sup> Jan. After a very hard frost a fine day with much sun in forenoon, but glass started to fall early in afternoon & wind rose to gale in evening from South. So hard was the frost that the Bell-jar in which *Linnaea purpurea* & *Aconitum* live, & which I had taken out of greenhouse a few days earlier, had a thin skin of ice all over it. Snow cap on Slieve Donard above 2,300 ft.

20<sup>th</sup> Jan. Strong gale continued most of the day from south, but moderated before falling. Mild & almost warm at 9.30 P.M., when a thick drizzle falling. First flower on Winter Aconite.

21<sup>st</sup> Jan. A very nice day after a calm night & dull early forenoon. Quite mild & with some sun in mid day & early afternoon. Dull, with drip in later afternoon. First Snowdrop (brought from Dublin) almost ready to open. Finished making up the semi-circular bed N. of greenhouse.

22<sup>nd</sup> Jan. After a very wet, windless night, heavy & continuous rain fell all day & glass after rising in forenoon started to fall in afternoon.

Absolutely windless till 7 P.M. when wind from arose. Clouds N-NE all day & quite a sea on shore. Donard & other waterfalls at maximum in afternoon! 1<sup>st</sup> Snowdrop properly open.



193.

23<sup>rd</sup> Jan. 1957. After about 36 hours steady rain the cleared off during the night & the day opened dull but heavy showers which must have fallen on snow above 2,000 feet - fell in afternoon & evening.

24<sup>th</sup> Jan. A brilliant day of sun after slight frost - cold but sun clear & warm.

Shire Donard quite white down to about 1,200 feet - & the other little ditto. In afternoon we walked up the Glen River by the falls on to the moor & then west round back of Drinahilly to the iron gate at top of plantation near Tullybrannigan Burn & so home through the plantation. Above the plantation the ground for most part quite frozen at 4 P.M.

25<sup>th</sup> - 27<sup>th</sup> Jan. Strong wind to gale from SE to W. most of the period. Heavy rain at first on 25<sup>th</sup> & 26<sup>th</sup> but later, very heavy showers at 11 A.M. on 26<sup>th</sup> but fine but heavy rain at night & all the mountains now covered down to 500 feet on morning of 27<sup>th</sup> with heavy snow shower at 1 P.M. but otherwise fine with sun & westerly gale. No wind & quite mild at 8 P.M.

194.

28<sup>th</sup> Jan. 1957. A mild dry day with strong S. wind followed by gale & heavy rain from SE. in evening, calming down about 9 P.M. Saw D. Gibson as he passed on way home.

29<sup>th</sup> Jan. A most perfect day with no wind & warm sun from 10 A.M. till sunset. In afternoon we walked via Tullyard to the moor on S. side of the Burn (Tollymore Park) at 700 feet, where we sat in the sun & watched the gnats & other small Diptera dancing over the moor, also grasshoppers & they came home by same route. Just above the Belfast water supply pipe-line facing east - many of last season's plants of Mullain (*Verbascum thapsus*) were seen, many growing out of a very thick & dense cover of grass. Dandelion in flower by our burn as well as many flowers of lesser Calandula & also on Chickweed. The sun today very high enough to top Shire Donard at 2 P.M. but dipped behind Shire Coomacagh & then as we went we found the back of the E. Burn as came into sunlight again at 3.30 P.M.

30<sup>th</sup> Jan. This started with gale & lashing rain but soon cleared & so lovely mid. day, but afternoon although dry, mainly dull.

31<sup>st</sup> Jan. Another "trough" arrived about dawn with some gale & fearful sleet rain from then till 1.30 P.M. the rain ending in a veritable deluge, which left the garden almost like a lake, but a sudden shift of wind from SE to SW cleared the sky & except for some gale quite a pleasant afternoon when we went to see the Donard Falls & found them in terrific spate. Walked right



195.

Three Yellow Crocuses & four Snowdrops out  
in front garden at the moment. The Crocuses  
only "appeared" a couple of days ago, but in full  
flower today. Mild in forenoon, cooler later.

156

54-64 Feb. 1957. The very nice sunny day, between  
very wet night. The rain on night of 54-64 fell  
as snow on top of peak of Shesha Gourd. Wind light  
to moderate, near S.W. to W. Signs of spring in  
garden & elsewhere. buds on daffodils well up (over 30  
yellow brown) - & two of them, *Oxalis*, the *Scilla*,  
in front garden with flowers up & ready to open: *Hyacinth*  
also with flowers up & ready; & *Arum maculatum*  
by stone (to water the turn) was first getting well up.  
The one of the *Hyacinth* coming at foot of back garden  
near house. The *Arum* very nice.

74  
R. Shinn very full  
with leaves on bridge on Bryanford Rd.  
about 1/2 mile out in garden of house  
at S. of the Shinn Bridge, where also  
on an apple tree.

*A. repens* *A. petrophila*  
6-2-57  
N. E. Lovers Silurian rocks  
Com. S. of Drina.



*A. alpe* *A. petrophila* 6-2-51  
N. E. Lora Silurian rocks  
Conn. S. of Brino.

rophila  
6-2-57



*A. petrophila*

6-2-57

Silurian rocks

S. of ~~Drum~~ Drina.



A. alpina 24-3-57

H. E. Corrie Shreve  
Commedaph-



1957

31.1.1957, cont

up the E. side of the falls to upper bridge & back  
via cottage to the main survey for afternoon tea.

Three yellow crocuses & four snowdrops out  
in front garden at the moment. The crocuses  
only "appeared" a couple of days ago, but in full  
flower today. Mild in forenoon, cooler later.

1st to 4th Feb. 57. Alternating warm & cold fronts  
with much sleet, gales & deluges of rain throughout  
the period, but mainly fine & sunny on 2nd &  
4th. By 4th over a dozen yellow crocuses in  
flower in front garden & four snowdrops - over  
past the last. First flower on *Androsace* *hebe*  
open on 2nd & *Sax. oppositifolia* giving warning of  
flowering, but *Sax. oppositifolia* not really in  
flower on the 2nd & 3rd. Michael Morrison  
called on 3rd & took some *Doronicum* plants  
to him. *Androsace* which he is to get settled by  
B.S. 351. experts. Before the record are  
published by him Hamilton of Leroy!

196

5th-6th Feb. 1957. The very nice sunny days between  
very wet nights. The rain on night of 5th-6th fell  
as snow on top of path of *Stress* *Stress*. Wind light  
to moderate, mainly S.W. to W. Signs of spring in  
garden & elsewhere. *Androsace* *hebe* on daffodils well up: over 30  
yellow crocuses out & two of them *Androsace* *hebe* *Androsace*  
in front garden with flowers up & ready to open: *Androsace*  
some with flower spikes up & ready: *Androsace* *hebe*  
in stream (or rather the burn) near front gate well up.  
But on one of the *Androsace* *hebe* at foot of back garden  
now visible. *Androsace* *hebe* *Androsace* *hebe*.

7th Feb. Rain all night with glass still falling at noon.  
Rain all forenoon but not heavy. R. Shinn very full  
& within a foot of path below the bridge on Bryanford Rd.  
Sax. *Androsace* *hebe* almost out in garden of house  
on W. side of lane road & S. of the Shinn Bridge, where also  
a great mass of *Androsace* *hebe* on an apple tree.

8th Feb. After a wet forenoon the afternoon was  
mainly sunny & dry, followed by a cold starry  
night & almost-frost. *Androsace* *hebe* *Androsace* *hebe*  
from near Tynon Castle, Co. Dublin, with 1st flower open.

9th Feb. A fine morning, but rain fell at 12.30 noon  
& a heavy shower fell. The wind of snow drifts  
this way & that, but mainly N.E. though changes S.  
or S.E. Rain & drizzle most of the afternoon.



197.

10th Feb. 1957. A cold sunny day after another mainly wet night with last hundred feet of the summit of Slied Row and once more with new-fallen snow. Little wind (W) until evening when wind backed to S. & increased to "strong".

Really a lovely day, but wind cold & no sun. In afternoon I walked via Bonard Lodge plantation - round the E. ridge of the Millstone Mt. & then up along the old quarry to the quarry (gravel) on the S.E. slope. The granite - the quarry is curiously bedded - like a sedimentary rock - into definite layers ranging in thickness from about 6 inches to over a foot, which character must have been of great value to the quarry owner & workmen in selecting mill-stones & other objects of standard thickness. So far as I can judge these "strata" were almost perfectly horizontal & parallel all round the face of the old & long disused quarry. Collected some galls of *Cynips kollari* off a young oak & some spider egg bags most remarkable. *Aspilota* cocoons in grass stems. (The latter in the quarry, ca. 900 feet alt.)

198.

10/2/57, cont.

Saw two plants of *Pinguicula lusitanica* in drain by road through plantation in a new station S. of the "ride" which runs up from the harbour to the quarry on N. side of the Millstone Mt. Collected some fruiting specimens of the "black moss" on Silurian rocks on way up to quarry & found it to be an *Andropogon* (= *A. rothii* fide Mrs. Tenny) or rather juniper, in which last many of the lower branches had put out little green sprouts & which seems very early.

I don't keep garden & *Asplenium* also has some green sprout.

11-12th Feb. Two beautiful sunny days, cold in shade but a little (SW-W) wind quite hot in sun & shelter so that on 12th I had to drop my coat & hat, looking at the sun & rain, sat out in forenoon in front of house. In afternoon while painting doors of greenhouse Daisy heard - but did not see - a Bumble Bee pass behind her back. Honey Bees very busy at flowers of *Urtica* (*Urtica europaea*) at foot of back garden.

The night of 11th-12th was clear with white frost - on damp behind formed a thin layer of ice over - all the bare soil in garden, in of frozen rain had fallen.

13th Feb. Dull, cold, windy (W-NW) with drizzle, sleet & rain from 2 P.M. onwards. A very disagreeable day & cold spell forecast to follow.



14<sup>th</sup> - 17<sup>th</sup> Feb. 1957. Cold with snow on all the hills above 1200 feet, with occasional showers of rain & sleet but also with a good deal of sun & warm in shelter. Wind light & variable moderate to light, with slight frost at night. On 16<sup>th</sup> I walked in afternoon up to camp on the shoulder of Shanawadaga where I found some *Indigo* & *Artemisia* grass, which was just before the snow line. There E. over Shanawadaga, maddy & down by the Glen River.

Left home at 2.30 & home at 5 P.M. alone. Collected berries for Mrs. Thomas (Lundie) off to reach her. On 15<sup>th</sup> & 16<sup>th</sup> worked in garden in forenoon. Collected on both sides of the burn & in afternoon collected in the plantation. On 17<sup>th</sup> in afternoon I walked via Glengarnford Road to Tullybrannigan & then through the plantation around SE. angle of the Burn & out on to the moor on a ridge where road runs along the boundary wall & down via the moor & Tullybrannigan Rd.

18<sup>th</sup> Feb. After a frosty night & comparatively mild day, weather with cloud drift variable but mainly NW. of 11. About this date shifted the fuchsia & 3 seedlings of *Androsace* (from Dromedary legs, woods).

19<sup>th</sup> Feb. After a very hard frost - night, a inch of ice on the water tanks round the greenhouse & ice on aquarium inside the greenhouse. First purple crocus out.

20<sup>th</sup> Feb. After a still harder frost & misty sun, cold morning but clouds appeared about noon & snow started to fall in hills shortly afterwards - frost apparently gone here in garden.

21<sup>st</sup> Feb. 1957. After a slight frost, a very nice forenoon though cold NW. breeze at first. Between 11 & 12 noon almost calm & sun quite warm. First flowers in greenhouse open - first garden. Afternoon becoming dull & 5.15 rain with again cold.

22<sup>nd</sup> Feb. After a dry cloudy night the day opened with smoky haze & E. NW. breeze, which gradually increased & finally blew hard from SE. During at first but not so strong as "snow field" was cut off sun & cloud & smoky haze gradually increased till the end (today being Friday!) then continued to pour on with the full force the burn in back garden & now down if gauged out about half length from greenhouse to the "nature-reserve" or "boggy" at foot of garden. Found a small plant of *Chrysophyllum oppositifolium* by the burn yesterday - not seen before! Also continued white-washing inside of glass in greenhouse to keep sun off walls & replace temporary curtains put up last summer.

23<sup>rd</sup> Feb. A dreadful day from dawn till early afternoon, with continuous SE. gale & floods of rain & sleet - water every part of the garden appeared to be under water but much wilder than for some time & the snow that fell on the hills at once began to melt. Some showers later as wind dropped to light & veered SW. Followed by a fine dry & mild night.

24<sup>th</sup> Feb. A frog seen swimming itself on bank in Tullybrannigan Road just W. of Tullybrannigan Burn at 2.40 P.M.



24th Feb 1957. A mainly mild & sunny day with light S-SW breeze but heavy showers during the afternoon. Arrived Newcastle only got on at 2 P.M. Arrived at the school in net out for Tullyard & then into Tollymore Park & round the eastern of the two hills called The Drins & back to Tullyard & home at 5.15 P.M. On north side of the Drins saw quite a lot of the old oak & mixed woods. I remember Tollymore Park to have been in the late 'nineties & early nineteen hundreds & I hope it may prove good collecting ground.

25th Feb. Except for several hail & sleet showers, a very nice day & with much hot sun. In afternoon we walked along the strand & down outside golf links & saw Seaburn far out to sea on tide very low & far out.

26th Feb. A beautiful day with much sun, warm sun & light variable breeze, sometimes E & cool, sometimes S-SW. Continued path by the bank & the whitewashing of glass in greenhouses. Two flowers out a *Viola riviniana* on far side of the house opposite Mrs. McCallum's garden - very sheltered & warm spot & yet seems very early. A *Primrose* in flower in her garden at same place.

26th Feb. 57, cont. In afternoon after digging in back garden a mosquito (*Anopheles* sp.) tried to bite me but got "bitten" instead. It "thinks" it is a smallish house fly & not a "pin" like biter so that I let it go for some time it was just an easily fly & only raised its wings, but it returned & bit me on my leg & I killed it.

27th Feb. A dull cold, windy day with strong SE wind & heavy clouds over the hills all day & seldom more than 1,000 feet. Took a loop in the fern in back garden & in doing so discovered a one foot long, eel.

28th Feb. Exactly similar to yesterday or perhaps even more unpleasant. In afternoon walked from Seaburn Point to Tollymore Park, but did not collect much. Took a loop in the fern in back garden & in doing so discovered a one foot long, eel. Took a loop in the fern in back garden & in doing so discovered a one foot long, eel. Took a loop in the fern in back garden & in doing so discovered a one foot long, eel.

1st March 1957. Same as last two days, but even milder & windier. Hills shrouded in smoky haze & steam. Evening - grey to black. Wind SE in forenoon, veering to S. Drins SW in afternoon, with falling glass & Anticyclone over Scotland moves away. Continued work at river path in back garden in forenoon & made the same walk on yesterday - in afternoon, caught that on return journey, took path across fields from Tollymore Park Road across the Tollymore River & came back through the plantation for shelter. In soil in garden dried up by the wind we planted a row (15 tubers) of Ballydoon Potatoes, just E. of Raspberry & Daisy planted Onion Sets in S. border of back garden. [Aug 26 757 & all given to George.]



2<sup>nd</sup> March 1957 In contrast to previous three days this was almost windless, except for a short period about midday when a cool breeze came in from the sea. An early promise of a beautiful sunny day, however, did not last long & the heavy frost - a sea mist which obscured the whole country. Nevertheless it was a good day & the garden almost dry, though some drizzle fell in the early hours of the morning. Received 1/2 stone each of seed potatoes from Miss Corbett of Dundee, a follow-up from Park (in lieu of Green Victory (sold out)) Duke of York, Stormont-Darwin, Ulster Supreme, Ulster Chieftain & Avon Patriot. Continued making path by the burn.

3<sup>rd</sup> March - Similar to yesterday & virtually no sun & everything covered by sea fog, with gentle E. breeze off the sea & very mild out of breeze. Sunday. In afternoon we walked via Tollymore to the moor S. of The Drins & then home via the outward route of previous week, i.e. crossing

3.3.57, cont.

into the plantation of Tollymore Park between the E. & W. Drins, we came home by avenue on N. side of the E. Drin. In the drain on the moor at head of a tributary of the Tollymore Burn & S. of the gap between the E. & W. Drins we saw on flag & mud frog-spawn - the latter at least several weeks old & some killed by the cold spell of a couple of weeks ago. At this spot collected plants for pot-herbs the new loop I have made in the burn in back garden as follows: *Schoenus nigricans*, *Erica tetralix*, *Ranunculus flammula* & *Potamogeton polygonifolius* as well as a variety "rusk", etc., mixed with them. Collected a beetle ( ) off Birch Puzos (newly grown) on a very old Birch tree in remains of oak wood between the Drins. *Saxifraga oppositifolia* (Snowdon) & *Sen. appiculata* in flower, as well as several *Dracopis* (in pot-pots), though *Dracopis* in flower for over a week in neighbouring garden. These & the *Saxifraga* only out today. *Coliandona* now with many flowers & *Ranunculus* *galeatidolus* (in back garden) making good show.

4<sup>th</sup> March. After a very wet morning & misty damp afternoon. In the town in forenoon. In afternoon continued work at the new loop to the burn in back garden. Milder than of late & no wind.



5<sup>th</sup> March 1957. A fine rain continues and at 4.30. I begin to leave. In afternoon we went to Mr. Smyth's for off. tea. 7.15 no forenoon, but very wet most of afternoon & evening & a deluge during most of the night. Very cold.

6<sup>th</sup> March. Everything flooded by dawn, but after a dull drizzle morning, a fine afternoon. Fed mice for first time this year & I fear many of the older ones are dead - lived out of hibernation in January by the several warm spells.

In afternoon went to see the Douerds falls in full spate & home by upper avenue at 3.30 PM. From 4 till 5.20 continued feed, the mice & finished the job.

7<sup>th</sup> March. After another night of heavy rain a fine day, but everything very wet & soil sticky. Continued & finished the new loop to burn in back garden & all that remains to be done is to plant the margin next the garden, that of the island having been planted the previous week, but much of it occupied by the big patch of water.

7.3.57 cont.

Valerian (Valeriana) which is the dividing factor in the position of the new loop.

During afternoon Daisy planted a row of 'Windsor Green' broad beans given by a strong recommendation by Mr. H. Neill of No. Tullybrannigan Rd. to whom I had given the surplus seed potatoes. Also, from Corollin of Dundee. She also sowed some lettuce, parsley & lettuce (saw a list var from East-glen) - a trial sowing!

8<sup>th</sup> March. After another severe 'deluge' at night, rain & drizzle continues till about 11 AM. Then dry, with a little sun for rest of day. Very mild with S-SW breeze. Everything flooded, & all I could do in garden was to put a few plants (*Euphorbia hibernica*, *Osmanthus*, *Sax. aizoides*, & *Sax. spathulata*) - either from WM or WD on margin of the new loop to the burn & continue work on the path by the burn, which path is now within 10 yards of the 'wiggly', but path would be paved by stumps & roots of old gorse bushes (cut down by Taggart in 1955) & roots of ash, etc., spreading from north side of the burn under the burn & into the garden. First flower - *Colchicum* in front bed (on Tullybrannigan Rd.) of plot N. of burn. *Sax. oppositifolia* from B. Breckinridge in flower in rockery.



9th March 1957. A dull day, fine rain with SW-SE gale turning to heavy rain about 12.30 noon & not clearing till after 4 P.M. Dug 1 yard of vine-path by the barn.

10th March (Sunday). Similar to 9th. Rain coming on at 1 P.M. & lasting till evening. Bees in spots!

11th March. Rain started about 5 A.M. & very heavy till 10 A.M. Then a fine with rising SE wind & some sun, followed by a dry windy afternoon & fine evening.

Very mild & temperature in England said to be  $20^{\circ}\text{F}$  above the average for this date, but here the E. wind was by no means warm. Dug one yard of path by the barn & at 4 P.M. cut front-lawn & part of back-lawn for the first time since James was mowed during last few mild days. Weeds (*Lamium*, *Fumaria*, *Stellaria media*, *Cardamine hirsuta* & *Spergularia*) all in flower in front-lawn.

12th March. A most lovely day, after a misty start with strong S-SE wind, which dropped about noon & the wind SW-W & light. Very mild with much hot sun. Two ♀ Bumble Bees seen on or near *Salix cinerea* at foot of garden by Daisy at 4.45 P.M. but I could not see the column against the light, but one looked to be like *B. lucorum*.

12.3.57, cont.

A severe frost. Ladybird seen by farm in front garden & 6 flies (E. *tenax*) at flower of *Linum catharticum* by the barn also.

Planted 3 rows (1 row of each kind) in middle plot next to wiggly in following:

1st row (next wiggly) *Althaea*, *Chelidonium* (Dorset's seed) & 2nd row. *Arabis*, *Pulsatilla*, 10 sets & 1st row on edge of one

19.8.57 3rd row. *Duke of York*, 10 sets & 1st row on edge of the other (NB in all cases the cut-tubers at N end of the rows).

*Lythrum* the path by the farm & dug *Lythrum*, *Physalis*, *Salix phylicifolia*, *Salix caprea*, *Thalictrum flavum* & *Conium maculatum* (all taken from the back garden) around the new loop of the barn.

13th March. After a misty start with squally S-E winds, very show & sun on intervals with strong cold wind. The day settled down with at times strong S-W wind, cooler than of late, with slight showers but no rain. 3.45 P.M. then fine & sunny till sunset. Later with sun & blue sky, fine S-W. a cold frosty wind on towards Scotland. Planted rows 4 & 5 in middle plot with Ballydoon potatoes (on v. 1956 seed & 10 sets) & 1st row a (before). Dug 1 1/2 yards of path by the barn during the day. At 10.30 A.M. identified a ♀ *Bombus lucorum* on or near *Salix cinerea* at foot of wiggly (& got a few heard or seen during day but ? species). Daisy sawed *Salix caprea* & *Bees*, 1 row each.



14th March 1957. Mainly dull with S.W. wind & drizzle, some light hills, but never enough to cut the grass or stop work in the garden. Mild. Continued work at new path by the burn & road about 2 yds. of it & now only another two yards to do before it is as far as the "roughs". Which is all I do in this year! Planted two more rows (rows 6 & 7) in middle plot of Ballydoon potatoes (various & 10 sets per row as before). Sowing some early cabbage & Brussels Sprouts - small row each in upper plot. Bumble bees were passing.

15th March. Another dull & drizzly day after early morning rain from 7 till 9.30 AM. Very warm, with very strong S.W. wind - almost a gale during gusts. Flowers on White Violet, *Lychnis hirta* (Roly. form) & yellow narcissus (front garden). Shoot of *Euphorbia* *lutea* now becoming leafy. *Salix* now coming into leaf & a new shoot appearing at base of one of the old "stumps" cut on leaving Dublin. Continued the path by the burn & dug the last 2 1/2 yards today & virtually finished the roughing out of the path. *Bombus pratorum* ♀ seen & identified in back garden about 12 noon.

16th March 1957. Except for a few shifts & drizzle with a cold but strong S-SW wind followed by drizzle in evening, clear falling all day. Completed the path by the burn as far as the roughs & made the second & smaller loop to the burn just where the path reaches the edge of the roughs. Saw *Epipactis atrorubens* from Glencole, Co. Wick - the pink-flowered plant - now in flower. It is definitely the large-flowered form, though perhaps not quite as large as the Swardon form. Found that some brutes (? dogs) had eaten down my best plant of *Sax. cuneata* from the lawn (but I later replaced it). *Bombus lucorum* ♀ heard at porch on one of the *Salix cinerea* trees at foot of back garden at 6.35 P.M. when almost drizzling & light nearly gone, which suggests it has come to feed.

17th April (Sunday). Coolish, very strong S.W. wind after heavy rain in night & day with occasional sun. In afternoon we walked via Tollymore and the Tollymore Park - past the new mill & under the *Spinnaker* River - now called the *Carraig River* - & back to the lake & then home by same route from the mill to Tollymore. Saw some promising ground for collecting & brought home one each of *Primrose*, *Lychnis* *sp.* & *Sedum* *sp.*. Saw *Anemone nemorosa*, *Oxalis acetosella*, *Potentilla fragrans*, *Lychnis* *sp.* in flower for first time this year. Had a visit from Mr. Wood in evening & ordered some plants from the

Collected in flower by road E. of the lake & mill

Donard Nurseries



18th March 1957. A very nice morning & fine & dry till 5 P.M. then drizzle started & depression approached from SW. Wind strong SW in forenoon but dropped at 12 noon & weather became very milder, with sun & no wind. Later breeze sprang up from east & later still veered to S & SW & much cooler than at midday. Left home at 10 AM (alone - to get into training for Farvington's visit next week-end!) & walked up by the Glen River (10.45) to the moor, crossed the river below the named ice-house & went along tributary to foot of the fall over the Black <sup>Stair</sup> (11.0 AM) W. of Thoms. Mt. & up E. side of the fall on to the moor (11.20). Then followed the course of the tributary for half a mile, before cutting back to foot of Thoms. & on to summit (11.50). Above the fall there is much "mountain-top detritus", often a mound in which *Thymus* & *Campanula rotundifolia* are common, but I saw no plants otherwise of any particular interest & did not visit either the *Equisetum hyemale* or *Thalictrum minus* var. *montanum* today. Came down from summit of Thoms. via the path

18/3/57 cont. Thoms. Mountain, cont.  
 5 off the big quarry & then down to the corner in the plantation above Newcastle Harbour & on down via ruin of Donald Lodge at 1.20. *Am. offshoot of Salix glauca!*  
 Brought home several pieces of *Myrica gale* & planted these by the new loch in the garden. During reported rain, a "White Butterfly" (I now doubt a "Small White") between 11.0 & 12.0 noon, & white hairy daisy (about 1.45 P.M.) which could only be seen in small Tortoiseshell Butterfly in front garden. Horse Chestnut tree near Donald Lodge in full leaf & almost in flower. *Sycamore* in the Green Hill (partly in leaf). Afternoon in multiple plot & planted eight more rows of *Ballymore potatoes*.

19th March. A poor day after a wet night, but I was able to dig a bit till 12.30 noon, when heavy rain commenced & continued intermittently for rest of the day & evening. In afternoon sowed seed of various plants (I have had by me since last year or earlier) in a pot in the greenhouse, as follows: - *Sanguinaria*, *Carex acutiflora* & *Carex* (which was in var. from the Bannock, Co. Clare, in August 1955). *Scilla* (which I had from Horn Head, W. of Grouagh, in June 1955 and finally sowed (very old) of the "Grouagh" *Stachys* & "*Orchidaceae* from Grouagh".

20th March. A poor, cold day after a mainly wet night as the cold front of a deep depression passed eastward across Ireland with gale & severe squalls of rain & sleet (slight snow on top 500 feet of Sliabh Donard at 8 AM). The worst severe squall was at 2.30 P.M.



20.3.57 cont.

When the barograph fell suddenly resumed with a  
 jerk from a temporary fall like this.  
 Dig a hole in bank lower into which to put a  
 Magnolia ordered (through Mr P.W. Wood) from  
 the General Nurseries. & due to be delivered tomorrow.  
 Finished, completely, the roughing out of the path by  
 the burn adjacent to the craggy & around the  
 second loop in the stream.

21st March. A nice dry day with little wind (W in forenoon  
 SE in afternoon) & much sun run, but ground still very wet.  
 Cabbage seedlings (sown by Spring with last year seed) up-  
 toid odd jobs in forenoon & just after dinner. Planted a  
 small Magnolia *montana* *alba* *capitata*, in back  
 lawn, & then walked up the plantation & on to the top  
 of Linnichilly & back at 5.15. Slight rain, of course  
 in plantation & on hill & took *Monotropa carnea* 2 ♀♀ &  
 saw a small Tortoiseshell Butterfly fly in  
 garden in forenoon.

22nd March 57. A dull day with strong SE wind  
 & much rain. Still slight frost in the wood  
 but no ice at all. Did some work in garden in forenoon & St.  
 Anthony's Farmington arrived from Dublin by bus  
 from Slieve Donard at 2 P.M. After a meal he  
 & I walked to the quarry on E. side of the  
 small stone hill & home via the Glen River at  
 6.15 P.M.

23rd March. A fine day with much hot sun but slight  
 smoke haze & occasional mist in afternoon.  
 Did 5 p.m. & finished. Left home at 10 A.M. - myself  
 Farmington & Michael Morrison (of Queen's Univ.)  
 & walked up the Glen River to the Eagle Rock  
 & then to summit of Slieve Donard & home via  
 the Glen River. Collected *Salix repens*,  
*Empetrum nigrum* & *Lycopodium alpinum* 5 spores.

24th March. An even better day, with light S.W. breeze  
 & much hot sun. The three of us (I saw three yesterday)  
 walked up the Glen River & into the corrie on N.E. side  
 of Slieve Donard, up it to the ridge & thence to  
 summit of Donard, where much *Lycopodium alpinum*  
 & *Deschampsia* were & a sedge which I suspect  
 is *Carex rigida* (thought home to grow). Came home  
 via the E. side of the foot of Slieve Donard &  
 Shanklin at 5.15 P.M. St. Anthony's 10.15 →

The moss *Andreaea alpina* (fide him J.S. Thomsen) found  
 on dripping granite rocks near top of the corrie on  
 Slieve Donard, say about 2,200 feet.



25th March 1957. Fairly wet & especially early & in afternoon then very heavy from 2.30 till 6.0 P.M.  
In afternoon Dan & Glenaglen of Holknot Park, Knock, Ballyad, called to talk about ants & other insects. I went out & got out, but in the plantation saw nests of *Dacnusa areolaris* & *scutellator* on *salicaria* & *Formica fusca* (found "fusa")  
The Glenaglen found *Phaenocarpa bifasciata* in plant in a rotting pine stump - both new, mature, but very fresh, & in same stump in a mass hibernating ♀ *Stenichneumon californicus* Blackw. which is labelled "24.3.57" & "over"!

26th March. A very nice sunny day with NW breeze & much hot sun, rather spoiled by a heavy shower at 2.30 P.M. Mrs. Cyril Johnston & Co's man called & took away the Howard Baulae Retention & in return gave me a cheque for £50, i.e. roughly half cost of same a year ago. Sowed Celery & Parsies in pots in greenhouse. Jackdaws seen twisting sticks of Ash trees & taking them away for nest-building - taking great pains to get the stick balanced before taking flight.

27th March 57. A lovely day after frost at night. Hot sun all day, with light breeze NW-N.  
Dig the strip in front garden between lawn & front back, & removed stones & planted in it one row of 8 Ballydoon potatoes, No. 6 with those previously planted in back garden then two rows behind, mixed under the "Ballydoon" - one with small single purple-flowered sprouts & one with numerous small green sprouts. The next row on one potatoe Sept-year shape seed bought by George & Ballyad. After dinner tried a few minutes sweeping in the waggie & took the following, but failed to get any hymenoptera off the *Salix cinerea*. Found a plant of *Stellaria holostea* in flower on N. side of the lawn at NE corner of the waggie. Red garden Saxifrage flowers open & *Scilla* (♀) on the *Salix myrsinites* from Carn Gorm, Glen Lyon Scotland, & on the suppressed *Salix repens* & *Phyllicifolia* from Glenade, Leitrim.

Taken in waggie: 2.30 P.M.  
*Dacnusa areolaris* ♂♂, ♀♀: 1071 ♀ taken  
*Aphidius* sp. 6002.  
Proctos. 1

28th March. After a fine early morning & no rain drops indeed. From NE & meeting a cold southerly wind caused drizzle most of afternoon & evening. Dig half N. border to front gate & odd jobs. A pair of House Sparrows seen sitting in hole under roof of No. 2 Shire Cottage at 11 & Yellow Hamsters seen in house - frequently seen early last summer & then virtually absent during autumn & winter.



29th March 1937. A wretched day after a very wet night & drizzle never ceased & a cold N.E. E or strong wind with the "warm-front" of a scattered cloud drift.

Hills shrouded in wet hill-fog all day & the quite miserable. Could do no work in garden, but fed mail, & sowed seed of red Salvia in a 9" seed pot in greenhouse. *Carex clandestina* in flower & Miss Thomson's *Calluna* with flower spikes up & flowers ready to open. *Draba hirta* from Holywood railway station with quite a show of flowers, the very close to the Ben Lomond *Draba alpestris*, but not quite identical.

30th March. As yesterday but for some reason it did not drip though air misty & damp & no sun seen, the hills all day. Long remainder of N. border to front-gate.

31st March. On 29th with drizzle & E-SE light wind from 8 AM until we went to bed at 10.30 PM. When still a heavy drizzle. In afternoon I had an hour's walk in the plantation & saw a cherry tree (W. of the Green Hill) in full flower. The Horse Chestnut - reported almost in flower on 18th - no further on today.

1st April 1937. Perhaps the worst day yet, strong SE wind with drizzle all day.

2nd April. A very nice morning, then a lot of hill-fog & sea mist, about. Yet quite little of both seen in forenoon & the afternoon clear, though dull. Drizzle & rain, southerly wind & light about 5 PM. A transient approach from SW. In afternoon we & two Misses, however, walked via Ardara, into Tollymore Park & for the saw mill & home via the forestry office near the Point Bridge. Called at office to order poles to make 3 seats in garden wanted by Dore. Took cuttings of *Saxifraga* <sup>from</sup> *agrostis* on N. side of the Drive which has purple back & some alien of the *Spindle* tree in Tollymore Park. With cuttings to grow. Saw no new plants! Swifts out of house for 1st night & last the following by moonlight. Heard Chiff-chaff at Broughland & Tollymore Park: -

*Regulus*

*Aphelocoma*

*Crucis* =

3rd April. Extended dull in forenoon with strong SE wind but bright & dry in afternoon when we walked via Fleming's River, Tipperary Road & the lane to Tollymore Park & home. Brought home plants of *Myrica* from margin & margin of Shingus, *Berberis* strawberry from the lane - also a clump of *Urtica dioica* plants all by the burn.

In forenoon I finished digging the border between avenue & house in front-garden.



4th April 1957. Very warm & humid, S.W. breeze.  
 In afternoon we returned to Tullymore park  
 to choose a best tree, which Mr. Brown of  
 Forestry Dept. had promised to sell us & set up  
 in back garden to attract wood boring *Aganostus*  
 & *perforator*. Close & *Aganostus* in old hard wood  
 on N.W. side of the E. Drive! Or was the new &  
*Homocidus* sp.? & one of the small black *Andrena*  
 (??) on roadside as we went up the hill to  
 Tullyard. Slept for a few minutes along  
 avenue on N. side of the Drive & took the  
 following: -

- Homocidus* ♀, ant. 21.
- Aganostus* cf. *maculipes*? ♀, very dark legs! ant. 22.
- Aganostus* 20000, ant. 18 & 19/20
- Homocidus*?
- Seen by road up to Tullyard, in sun: -
- Homocidus* sp.
- Andrena* cf. ♂

4.4.57. cont. In plantation on Grimsbury!  
 Hatched from cone of Douglas Fir one ♂  
*Megastigmus* A dead *Buccinellid*  
 also found with cones, no doubt having spent winter there = {

5th April 1957. Anticyclone & strong N.N.E. cool breeze  
 very calm all day. The best day for a long time.  
 Rebed & removed apart from barrow tracks of stone  
 from border between avenue & burn in front garden  
 & did other odd jobs, such as weeding.  
 Took the following insects in back garden in  
 afternoon: -  
*Andrena guynensis* ♀ seen to enter barrow on edge  
 of burn at base of stone bank.  
*Aganostus*  
*Homocidus* 20000 =  
 White Butterfly (*acraea*?) found by Daisy in sitting  
 room although no window had been open in the  
 room during forenoon, but bedroom window open.

6th April. Another dry day with NE wind, but a gain  
 over Shier Donald had the sun for most of the forenoon  
 & mid-day. Fine & sunny after 2 P.M. No snow.  
 Mr. Wood arrived at noon with the following plants  
 from Leonard Nurseries & these I planted after tea.  
*Aglaia* 3  
*Cistus* 2

*Erica carnea* (3 small plants) & *E. vagans* 1 plant.  
 Found that Kevin's Pink potatoes in pit had sprouted  
 so had to remove them & take off sprouts. Golden  
 Wonder in same pit with only my small sprout, as far.



8<sup>th</sup> April 1957. A really perfect day!  
All hot sun & blue sky, with gentle cool easterly breeze.  
Did odd jobs in forenoon & spent afternoon planting  
potatoes, purchased from G.rolls (Dunder) as  
follows in the lowest plot - (next turn) in rows  
beginning next the west end (i.e. next the "buzzy")

Row 1. *Usteria christiana* { - Eng 22.7.57.

Row 2. Top three plants as No. 1, rest Aoren Pilot

Row # 3. Arran Pilot.

Rover & Duke of York

Rows 5 & 6. Shortest Dancer ← Continued below.

Rev. 7, 8 & 9. Kew's Pink. — Aug 31. E. 57. 914. 57

During the forenoon a Sparrow Hawk was seen being chased by four Mistle Thrushes: this is only the second time this species - or indeed any species of a bird of prey - has been seen here since we came to the estate. A Pied Wagtail appeared on front lawn at dinner time (1.15 PM.) for the first time since late summer. During last summer one or more were regularly seen during dinner time.

9th April (Tuesday) Daisy went by 8.30 AM bus to Dublin for the day to see her aunt Josie (Mrs. Boudan) now aged 87. I planted in more rows of potatoes as follows & did odd jobs in garden.

Aug 26 - Rows 10 & 11. Wester Supreme (Bottle seed)

26.8. Aug. [Rows 12, 13, 14 & 15. Ballydoon (own seed)]

NB. Row 15 is short - & next the Carpenters

AWS 10.4.57. No! error!!



10th April 1957. A cold bright day, fog with much sun especially in late afternoon but fresh cold N.W. wind.

Planted eleven rows of potatoes in S.P.H. (i.e. along Anderson's fence) where my plants have just last year on arrival from Dublin.

as follows: - From E to W, South plot,

Row 1. Two Kermis Pink at top (rest (1) Ballycron.

Row 2, 3 & 4. May Queen (in Dublin seed 1956)

Row 5. British Queen (in Dublin seed 1956)

Row 6. A white potato, which came from Mr. McNeill raised with Kermis Pink (1956).

Rows 7, 8, 9 & 10. "Blue" (in Newcastle seed 1956)

some very small July 29th

Row 11. 5 Golden Wonder at top (rest "Blue")

The outstanding features of the day, however, were: -

1. The Primrose plant which had appeared by the barn between house & front gate was stolen (drag up) either the previous day or night!

2. At 9 AM. a Speckled Wood butterfly was in front garden & examined when it alighted on the grass in hot sun. Heavy dew on grass!

10.4.57, cont.

3. I called on Mr. Crawford the Town Surveyor & was informed that the widening of upper Tullybrannigan Road would in no way interfere with my little stream. I was afraid it might be cut off & diverted into the river. 2.30 P.M.

4. On leaving the Council's building on the Fort in Newcastle I saw & closely examined a very fresh & beautiful ♀ *Bombus terrestris* "marching" over the grass by the road leading to the beach at S. end of the plot.

11th April. Dig trench in front garden to drain front lawn. In afternoon we & Miss Ruth Murray walked through the plantation to top of Drinadilly. A nice dry day with cold N.W. breeze.

12th April. Continued trench in front garden in forenoon & in afternoon fed snails & snuffled & weeded part of rock garden. Daisy moved partly, box lettuce & beet in mid plot. Weather dry but threatening rain.

13th April. A nice morning after a dull night & a "fine" acid rain & being rain or drizzle from N.W. before evening. Still gold bunnies. Miss M. & Mr. Kerthland, J. McK. noon & Michael Morrison arrived about 10.35 AM. & at eleven AM. they & I set off up the Glen River for Miss Kerthland's bungalow, "Altan" at Glashdrumman near Carralong. Crossing the col between Shinn Doonard & St. Bonnedagh at 1.10 P.M. we had lunch just E. of the Castle of Bonnedagh & rounding the head of the



12.4.57, cont. - Morrison Mts - Annalong Valley, & P.  
 Annalong Valley we proceeded by steep tracks along  
 the E. face of the cliffs of Slieve Bag & Carr Mt.  
 between which hills is a magnificent deep steep-sided  
 gully cut in the granite with a wonderful show of Juniper  
 (*J. communis*) bushes growing out of the cracks in the bare  
 granite walls of the gully - which is obviously too deep  
 & narrow for wind to penetrate. Morrison went down  
 & photographed the Juniper, while we went round the top  
 of the gully. Miss Kentland & I kept up & along the  
 base of the big cliff of granite, but saw no plants of interest  
 beyond *Sax.*, one *Holly* bush, some remains of mountain ash,  
 & in two wet gullies a few scraps of *Sax. stellaris*  
 & *Hyopodius selago*. The height being out about  
 1250 feet. Continuing down the W. side of the  
 Annalong Valley we crossed it at the great moraine  
 & joined the road of the Belfast Water Board where  
 the Annalong water is led through the tunnel under  
 Slieve Binger into the Silent Valley reservoir;  
 then down through the plantation & to Glanshannon  
 via an old grassy wood, field path & lane.  
 This lane is almost everywhere covered with

13.4.57, cont.  
 & dense growth of *Juniper* trees. Drove back to  
 Newcastle after tea by Miss Kentland. Mainly a  
 fine day & mild in afternoon, but drizzle at  
 times about midday & early afternoon. The valley  
 started about 7:40 hours, but at no time did we have  
 Birds seen in the mountains were Raven (a  
 small crowd the Eagle Rock), meadow Pipit,  
 Wren singing (2) & Red Martin in a female  
 Ring ouzel flying & undoubtedly a cock & hen ouzel  
 singing near Carragh at S.W. end of the cliffs  
 overlooking the Annalong valley.

14th April - After some slight rain during night, a very  
 perfect hot sunny day, with variable breeze.  
 In afternoon we walked via Tullyard to Tollymore  
 Park, around the E. Drive & home via the moor  
 & plantation. On the way up the lane to Tullyard  
 saw or took the following Hymenoptera: -  
*Bombus lucorum* & *terrestris*  
*Psithyrus distinctus* 3 ♀♀ *Habrobracon ruficornis* ♀  
*Habrobracon* 3 or 4 ♀♀ on *Dandelion* flowers.  
*Sphingonotus* sp. ♀ (of moderate size)  
*Vespa norvegica* ♀ *V. rufa* var. like *antennalis*!  
 Tried one sweep amongst *Bluebells* & grass beside the old  
 gravel plantation & swept *Diapriid* *longicauda* (typical ♂? ant. 22)  
 & *Apanteles* ♀, and caught a ♂ *Andrena*  
*lappacea* flying over *Vaccinium myrtillus* & saw *Bombus*  
*pratorum* (very fresh ♀) & *B. lucorum* ♀♀ at its flowers.



15th April 1957. A dull drizzly day with SE-SW gale but a slight drizzle between 4.30 and 5.30 of a week ago. Spent day squiffing the soil in rock garden which was broken down by the winter rain & had crashed with snow & dry wind last week. Found yesterday that my second plant of *Primula scotica* had been damaged by a slug, but that the meta beside it had trapped the slug & the slug killed it, that all roots had been eaten off (or not had destroyed the) my three old plants of *Primula scotica*, but that the many minute seedlings seemed healthy, but not flower the year; that my two clumps of *Potentilla crantzii* had rotting at the heart & it is just a chance if I will be able to save any bits; that my old clump of *Arane alpina* from Loch na Lareige, Mid Perth had also rotted & been almost killed by a black Aphid, but hope to save some bits. *Sibaldia procumbens* in flower as well as the Glenade, LE., plants of *Arabis petraea* & many other plants in the rock garden now coming into flower.

16th April 1957. A very fine day, with much hot sun, but wind sharp & cool. Continued drainage. Travelled by rail to Perth late in forenoon, did odd jobs in afternoon & day in evening.

17th April. After heavy rain at night water cleared at 10.45 AM & I had a sunny forenoon when I continued the drainage to front gate. Afternoon more or less cloudy, wind light SW and dropping towards sunset. After tea we planted in middle plot & just beyond the greenhouse six rows of potatoes as follows:—

Two rows nearest greenhouse planted <sup>Aug 30.7</sup> *Queen of the South*.  
Four next rows <sup>Aug 29.8</sup> Golden Wonder taken from pit a few weeks ago already sprouted, but sprouts seem very wizened when planted, & may have been killed by change of conditions from pit to greenhouse?

*Cardamine pratensis* in flower in damp parts of the wiggly. *Boragin agrostis* near *Vicia sepium*.

18th April. A rather wild (S-SW) drizzle morning but after a short shower at noon the glass rose, wind dropped & we had a very nice sunny afternoon & evening. Continued drainage off & on all day. George, Margaret & Lora arrived about 4.30 PM for the Easter weekend. Saw a ♀ *Bombus pratorum* at flowers of short-cabbage in rock garden. Plantation by the burn near front gate with flowers open. <sup>Big rat</sup> *Potentilla* & *Arum m.* in flower.







24.4.57, cont. *Tachinomyia*, (C.D.C.)  
 Small swift sides of lawn with many in back  
 garden, which to *S. salina* comes to tent &  
 following *Hyemiptera* & two other *S. salina* taken in  
 garden running on soil! - see below.

Small: *Pentamerus* ♂ swept off *S. salina* vines  
*Beetle* = by lawn

*Phygadeuon* sp. ♀, *brachyptera*  
 running on ground! ant. 18. Cf. 299 from The Mullet, W.M.  
 June 1936.

Small ♂, ant. 30.

*Phytomyza* ♀, running on soil at 10 A.M.; ant. 30.  
 = *Helictes pilicornis* Th.

*Apanteles* ♀

*Chenocampa galathea* Hal ♀, ant. 21.

*Aspilota* (*Sy noldia*) sp. concolor ♂, ant. 23.

*Dacnusa areolaris* - *areolaris* - *longicauda* ♂  
 23 ♂ & ♀ mostly with dark legs; sent to Hedon  
 as I can't be bothered with the rest.

24.4.57, cont.

*Triclistus* sp. 20757; not mtd.

*Mesochorus variator* ♂ + ♀, none mtd.

*Apanteles* sp. about 30 (♂♂ + ♀♀); none mtd.

Beetle: 1

*Chalcids* ca. 22 (some off *S. salina*)

*Cynipids* 3 small

Butterflies: Small & one large White, Speckled Wood,  
 Small Tortoiseshell.

*Bombus lucorum*, *agrorum* & *pratorum*

[24.4.57 cont.]

While working at front bank I saw what appeared  
 to be two very large & very fresh 3/4 of  
*Bombus lucorum* working for a nest among  
 what place I had disturbed. I approached by  
 pulling up nettles, but this requires confirmation  
 H.W.S. 24.4.57.]



25th April 1957

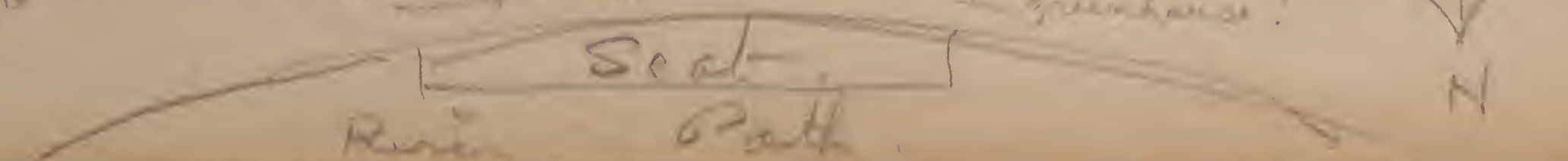
Another almost perfect day, mainly sunny, but with much N.E. onshore wind.

Helped Eric to clear pit with the 'Blue' (Annona Victoria?) potatoes & the cypripedium & cleared half of that containing the Golden Wonder: all of both kinds rather badly sprouted owing to the roofing felt deteriorating & letting the water in on them & the very wet, mild, weather at times since June.

In evening I sowed eight small plots of seeds as follows, in middle plot & just S. of the new garden, each facing the loch on the burn in back garden - middle path.

only 24	<i>Alyssum</i>	<i>Echinops</i>	<i>Sweet-william</i>	<i>Wallflower</i>	a further sowing of the same
about 40	<i>Pansy</i>	<i>Microglossa</i>	<i>Antirrhinum</i>	<i>Stem</i>	

NB The *Echinops*, *Microglossa* & *Antirrhinum* have produced a single seedling! The others are numbered above - *Microglossa* produced 3 seedlings in pot greenhouse!



26th April 1957. An even better day & all morning & wind light & warm N. then E. after a frost at night which killed all the tops of the early potatoes that were showing, as well as the new leaves on the Magnolias & the flowers on the 3 Azaleas.

The Comet 'Arend' - Ireland very well seen & a clear sky between midnight & 3.20 AM. its tail being estimated by Comagh Observatory as 33,000,000 miles long. To me it appeared 1.1. a great lamp hanging in the N.W. sky & it was no wonder that Halley's Comet caused so much perturbation in the older days!!!

In late afternoon I did a little sweeping in back garden of various willows (*Salix cinerea*) & compared results to those trees & took the following!

A blue butterfly was seen to fly across the front lawn during dinner - 1.0 to 1.30 PM - I could at this season only have been a Holly Blue. *Holius* are very abundant in the district & some by the burn are at present in flower!

Back garden: off *Salix cinerea*, 4.0 - 4.30 PM. *Pontania* 10, 1 ♀

Sample 2 = *Atalanta tenax*!

*Microglossa* *tenella* 15, ant. 26.

*Phygadeuon* 10, ant. 21.

*Campoplegid*, small, black, ♂ =

*Theridion* 2 ♂ =



27<sup>th</sup> April 1957 Tullylagan, DO., cont.  
*Sigalphus* <sup>cont.</sup> *aculeator* ? 1 ♂ flying round top of dark  
*Phaenocarpa* *galathea* ♂ swept off the large *Salix*  
 in centre of boundary fence in wazzy: ant. 23.  
*Praon* of *abjectum* 100, *Triclistus* *leptus* 4, ant. 11.  
*Proctos* 3: 1 mtd. =  
*Chalcids* ca 18 sent to Graham.  
*Coccinellid* nice var. =

28<sup>th</sup> April. Better & better! All very hot sun  
 & northerly breeze from N-NE., but glass  
 gently falling, now for 48 hours, though not  
 now about 30°. Hoed & weeded with  
 garden in forenoon, cut front grass &  
 hoed in afternoon; after tea swept willows  
 as on 27<sup>th</sup> for a few minutes around 7 P.M. &  
 took the following:—

During dinner saw a ♂ *Orange-tip* Butterfly  
 by the barn near front gate.

*Pentathra* ? ♂

*Tachusa* cf. *evoluta* ♀

*Aspilota* cf. *fulvipes* ♀

*Aphidius* ♂

*Chalcid* 2

*Coccinellid* 2

29<sup>th</sup> April 1957. A dry dull day, till evening & then all  
 sunny till bedtime. Everything very dry owing to  
 the drying W-NE wind all day.  
 Only did some weeding & mounded up the potatoes. Burnt  
 the front on night of 25<sup>th</sup>-26<sup>th</sup> April.

30<sup>th</sup> April. Perhaps the best day so far & all sunny  
 from sunrise to sunset, though a brief cold, NE breeze  
 especially in afternoon. A very nice coloured  
 sunset at 9 P.M. & some drizzle promised before sunrise  
 but to arrive as a "warm front" moving SE. from Scotland.  
 In forenoon watered part of front lawn west corner  
 with "Verdure" retentive weed-killer as an experiment.  
 In afternoon sound Shirley Poppin on east side of  
 the seat facing the 1<sup>st</sup> crop in the burn in back garden  
 & other light jobs. Slept for 15 minutes after dinner  
 down burn & wazzy, especially *Salix cinerea*, but  
 little out owing to brilliant sun & "harsh breeze". Took  
 the following:—

*Hemiteles* ? ♂

*Pimpla* ♂ same as on 24/4/57

*Camptoplegid* 2 ♂♂

*Sigalphus* cf. *aculeator* 2 ♂♂

*Dacnusa* 1 ♂ minute ♂, near *longiradicis*.

*Microctonus* *canis* 2 male ♀♀

*Aphidius* spp. 17 (10 ♂♂) of grass, etc., in wazzy.

*Proctos* 1

*Chalcid* 12.

*Beetle*.

None mtd.



1st to 4th May 1957.

Very dry, mostly with very cold drying wind from SW to NW, but occasionally about midday from NE; often dull & like showers, but more often with very hot sun, especially on 2nd. Did nothing but light work, mainly weeding, on 2nd saw another ♂ Holly Blue Butterfly flying along the burn & on 4th disturbed a beautifully fresh Bombus terrestris on the N. bank of the burn.

Bombus pratorum ♀♀ continue to pay much attention to the cabbage flowers & B. agrorum to those of Vicia sepium. Some small bees seen here & there in garden but the only one identified was a ♀ Halictus rubicundus.

Scorpa sp. ♀♀ frequently seen & both rupe & vulgaris identified. Two frogs seen by the burn on 4th in wuzzys & on same day many of Valis babies seen on the water. The bug Acanthosoma haemorrhoidalis seen on 1st & 4th in the wuzzys. Eumecurus arvensis discovered near the burn, also in wuzzys. On 4th swept for fifteen

4/5/57, cont. Tullybrannigan, DO., cont.  
minutes in back garden along the burn, off Salsie  
& in the wuzzys. Several Sialis & Staph. winged strong  
& cold & the sun quite a few Hymenoptera with  
beneath the wuzzys in wuzzys, as follows —  
Sample 2 = montana ♀  
& Tomostethus putrescentiae ♀

Tomostethus putrescentiae  
- labelled 20.5.1957

Centistes ruficornis ♂♂, ant. 28: the only ♂♂!

Bombus montanus ♂♂, one with much paler thorax than the other. Ant. 21 & 22 off in second sample. 1 ♂♂

Psithyrus cf. alpinus ♀, ant. 22.

Phaenocarpa gelatinosa ♀, ant. 20.

Aspilota cf. montana ♀, ant. 18.

A. ruficornis ♂, ant. 20.

Exochus cf. lucicola ♂, 22 mm group. 16 (♂ & ♀)

of which one must be (? exochus with dark legs)

Just near the 1st wuzzy in sample.

Ephedrus cf. phagator ♂, ant. 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Exochus spp. 27 (♂ & ♀).

Proctos 2

Chalcids 11.

5th May. After a clear cold night, it became cloudy at 8 AM. & almost drizzling at 11 AM. but no rain came & the clouds gradually cleared to give a sunny, not hot, morning with keen & crisp W. wind — cloud drift N. In afternoon we walked up parts of the Bonard Waterfall — never venturing dry & inspected the new forestry road round Brindilly. Staph. taken out of glass from Thomas' house.



6th May 1957. Perhaps the brightest & coldest day during this very dry spell - nearly all sunny, here, but with intensely cold E, NE. wind & reports say, more felt in very parts of NE Scotland, NE, E, & SE England & many parts of the Continent including Scandinavia. The cold spell was clearly forecast by the sky on 19th April, though of course I could not then say when it would come or where it <sup>the snow</sup> would fall. In spite of the very dry cold wind I took the net into the Donard Lodge wood, & swept from 2.30 - 3.30 PM, on both sides of the avenue between the gate above Sharncliffe Drive & the Glen River & found many small *Parasitica* & *Cynipidae* about - as follows:-  
Also took ~~one~~ <sup>of *Aphidius pallipes*</sup> specimens of *E. of the Glen River*:-

Donard Lodge wood, Newcastle, DO

- Aphidius* ♂
- Cratichneumon* <sup>+ *Stenomacrus*</sup> 2 ♂♂ = *bi-rivatus* (= *pallipes*), ant. 38.
- S. calceatus*, ant. 34. *Heptamelus* ♂ ant. 19.
- Stenomacrus ventralis* 3 ♂♂ 10 ♀♀: 1 ♂, 1 ♀ ad., ant. both 34.
- St. callidulus* ♀ *transversus*, ant. 22.
- Orthocentrus* 1 ♂, = *O. cf. marginatus*, ant. 27.

6.5.57, cont. Donard Lodge, Newcastle, DO, cont.  
*Campoplegid* 6

- Phaenocarpa* ♂, ant. 31
- Cotacris brachymeria* ♂
- Rogas* cf. *sp.* ♂, ant. 40.
- Aphidius pallipes* 6 (1 ♂, 5 ♀♀)
- A. bicolor* ♂ & ♀ (1 ♂, 1 ♀, the latter from the same place as above).
- Sagittifera* cf. *aculeator* ♀, ant. 25 (from same place as above).
- Phaenocarpa galathea* ♀, no doubt off *Salix*: ant. 32.
- Pentapleura* *capitata* ♀, large (ant. 31) - very rare.
- Aphidius venustus* ♂ & ♀, 1 ♂, 1 ♀, no doubt off *Baccharis*, of which many young bushes exist. (1 ♂, 1 ♀, ant. 20 & 21).
- A. (Synaldis)* ♂, ant. 20.
- Dacnusa*: *Rhyssalus* group: only a few examined & then included *longirostris* & *lanceolata*: 1 ♂, 2 ♀♀.
- No other *Dacnusa* taken. (1 ♂, 1 ♀, ant. 21 & 22).
- Triclistus* 2 ♂♂ - 1 ♂, ant. 23, 1 ♂, ant. 24.
- Praon* ♂, ant. 26: possibly the same as that of *D. dorsalis* Hal.?
- Aphidius* off *ca.* 20 ♂♂ & ♀♀: 2 ♂♂ (ant. 18 & 19) of *A. praecox*.

*Proctos* 1 + 6-8 minute

*Chalcids* ca. 15.

- Cynipid* 7.
- Diptera* 2
- Hemiptera* 1.







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10/5/57 cont. Tullymore Park, DO., cont.  
*Dacnusa areolaris* a fine old man, off, sub. 24.  
*D. areolaris*? ♂ & ♀♀: none etc.  
*D. longiradicis*: ♂, dark box etc. not etc.  
*Aphidius* spp. 7: none etc.

*Proctos*: ♂ =

*Chalcids* 13, including much species with the  
 green middle lobes, flattened & with black spot  
 at apex.

On the way home. During thought she heard a  
 Crowsake near the Tullybrannigan Burn.  
 After tea I swept in back garden for some fifteen  
 minutes & took the following: —

Back garden, Tullybrannigan DO. 7.0-7.15 P.M.  
*Leptocryptus* ♂, ant. 24. (counted 24, but not 25)  
*Stenomacrus* cf. *areolaris* at ♀, ant. 23  
*Camptopoda* ♀, ant. 21 = *gracilis* sp. (as noted, as *Stenomacrus* (Hull) also noted, as *Stenomacrus* like *areolaris*)  
*Helorus* sp. ♂, ant. 26.

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10.5.57, cont. Tullybrannigan, DO., cont.  
*Opus* stings a ♂, ant. 24.  
*Aspilota* spp. 2 = *A. cf. lyncus* = 399, ant. 17, 18 & 18, also 20 & 21  
 probably same species, but legs leading to *l. fusca*, ant. 21 & 22.  
*Dacnusa areolaris* group 7: none etc.  
*D. pilosipes* ♀, ant. 28.  
*D. aphanta* ♂, ant. 27.  
*Aphidius* spp. 10: none etc.

*Chalcids* 4 } none etc. Sent to Graham  
*Cynipids* 1 }

11th May. A dull, misty day, after some rain at night,  
 till about 5.30 P.M.; then after a slight stiff of rain  
 a very nice sunny evening. Much milder than of  
 late & even the slight E. wind no longer cold.  
 In afternoon we walked via Tullybrannigan Burn  
 to the field path near Carraghard leading across to  
 Tullybrannigan Burn to the plantation & so home.  
 This walk showed us the chance of hearing the  
 Crowsake & Crowsake again, but neither heard.  
 A bird of Swallow truly seen several times, as on  
 other recent days, but no general arrival of them  
 in bulk nor any Swifts yet.

Took a ♂ *Plectiscus* in garden  
 = *Plectiscus* sp. ♂, ant. 23.



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12th May 1957. Sunday. A very nice day on the whole with much sun, but a change of wind from NW back to SW at 4 P.M. brought a fine & a heavy shower. After dinner we left home about 2.10 I walked up through the plantation & out into the moor by the iron gate near the Tullybrannigan Burn & spent some time in the moor looking at plants: found *Campanula rotundifolia* all over the dune (the latter just in flower - a few only). All vegetation heath, grazed by sheep during recent dry weather. Heard (I saw one) two cuckoos above the plantation & the barn-crake in grass fields between the lower plantation & Tullybrannigan Road & Burn.

13th May. A very fine day with much very hot sun & wind W. & light to moderate (after some rain at night). Saw two Swifts & one House Martin in forenoon & a solitary Swift later on two occasions. Later

Just before dinner I spent a few minutes sweeping in the wazzy in back garden & took the following insects:—

Hill, above Burn, 13.5.57

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13.5.57, cont. Back garden, Tullybrannigan, DO.

- Pontania ♂ ♀ off white [Only 4 mtd. & these labelled on 16.4.59]
- Cratichneumon ruficornis ♂, ant. 36
- Hemiteles ♂, not mtd.
- Pimpla cf. flavicornis 2 ♂♂ at Sals. not mtd.
- Homocidus pectoratorius (large) ♂ at Sals. ant. 22
- H. subopaca ? ♂ at Sals. ant. 22
- Chalcid ♂, not mtd.
- Phaenocarpa ruficornis ♂.
- Dacnusa cf. areolaris 1 ♂
- Aphidius sp. 4
- Chalcid 6

Platygaster? 2

Notes mtd.  
Sent to Graham.  
N.B. Two ♂♂ of *Phaenocarpa* changed from cons. of *Phaenocarpa* for *Phaenocarpa* in *Phaenocarpa* - Jan

13.5.57, cont. = (2) 13.5.57  
In afternoon went to Toward Lodge woods & swept for about half an hour below the avenue & below entrance gate (from Shaw's to river) & the Glen River, especially where the beech seedlings are & in the patch of willow-cum-birch meadow, on an old sand pit above the avenue. 3.4.8 - 11.30 P.M. [18 mtd. & labelled on 14/4/59]  
Here took the following:—  
Pontania ♂ ♀ not mtd.



13.5.57, aff., cont. Donard Lodge, DO, cont.  
*Pezomachus* ♀ ♀, very small. ant. 19.  
*Hermitia* ? ♀, ant. 22.  
*Phygadeuon* ? ♂, ant. 23.  
*Stenomacrus ventralis*: ♂♂ & ♀♀ common. 1 from ant. 2.  
*St. cf. sp. near delatun*, with small ant. ♂, ant. 28.

*Campoplegid* ♀ = *Amelita* cf. *trivittata* ♀, ant. 30.  
*Plectiscus* 4 = *Apanteles* ♀, ant. 21.  
*Plectiscus* 2 ♂♂, ant. 22 & 24 (1 same form) =  
*Myiophthorus* cf. *reflexus*? ♂, ant. 35.  
*Bathystomus ruficornis* m. ♀ off *Salix*: ant. 29.  
*Aspilota* sp. 5. = *A. cf. ruficornis* (ant. 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 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14.5.57 cont. - Tophomyia Wood & Lane beneath DO.  
*Dolichopus* common. *G. melleus* 1. 4.15.57  
*Andrena* *faceta* 1 on the stone. 1 on the wall.  
*Cratichneumon* *fulvipes* ♂, 1st 36  
*Stygopoda*? ♂, 1st 74 =  
*Pimpla* *elegans* 2 small ♀♀, both taken at road  
 of *Ulex* *europeus*! 1st. 1st 21  
*Tryphon* ♂ & ♀, 1st 21 = *Anisota* *laevigata* 1st 21  
*Stenomacrus* *validus* ♂, 1st 24  
*Alysiid* *alba* ♂, 1st 30  
*Aspilota* *simplex* ♂, 1st 21 and 1st 30. 1st 30. 1st 30.  
*Pentapleura* =  
 Blue Beetle = *Leia* *septentrionalis*

15th May. After a wet night & fine day but strong wind  
 from S.W. - worked in garden all day.  
 16th May. Dull, after a wet night. In afternoon walked  
 up the River to what is called the plantation.  
 Where I slipped on wet rock in river bed & broke  
 the lower part of my knee. That rendered me useless  
 too. Also broke my knee in pocket. Wind & rain now.  
*Panurginus* *exilis* & large ♂ *Phaenocarpa* *pygmaea* fly in  
 the plantation between the avenue & top of plantation.

17th May 1957. After more rain at night, a very good  
 day. Worked in garden all day.

18th May. After very heavy & prolonged rain during  
 night, the day cleared to a fine sunny & warm  
 with westerly wind - much cooler than of late.  
 Heavy & prolonged shower at 12.15 noon.  
 Other showers followed each other at frequent  
 intervals all afternoon & into the evening.  
 One very heavy pure hail shower fell about  
 5.30 P.M.

19th May. After a dry night & very nice day  
 with west wind in forenoon gradually falling  
 to a breeze evening. A few drops of rain in forenoon  
 but none in afternoon or evening. Many sun-  
 bursts & sun bursts seen out. In afternoon we  
 walked via Tolly and to Tollymore Park &  
 collected by sweeping in two areas, a follow-on:-  
 1 = sides of "Reggie's Pad" to beach road, mostly off  
 young ash, oak, raspberry, &c.  
 2 = the beach road & surroundings.  
 Came home across the moor & through the plantation!  
 Saw several *Pinguicula vulgaris* in flower &  
 blue, white & pink forms of *Witchwort*, presumably  
*Polygala vulgaris*, the blue form predominating  
 in short areas, but the white & pink forms by no  
 means rare & in places seen alone for a yard  
 or two. Well Butterfly seen on Tollymore Park Rd.







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19.5.57 (2) cont. Tollymore Park, DO, cont.

*Orthocentrus* cf. *proclivus* ♂, ant. 28, small & ♀!!

*Stenomacrus* *antibialis* ♂, ant. 28.

*Peristernus* cf. *retusus* ♂, ant. 19. <sup>antennae 19.5</sup>

*Gnathosoma* cf. *lucipunctum* ♂, ant. 29. <sup>antennae 29.5</sup> Yellowish-brown, not all dark.

*Heliceta* sp. ♀, ant. 20.

*Centropus* cf. *oligomus* ♂, ant. 18.

*Phaenocarpa* sp. ♂, ant. 21.

*Colastes* *brunneus* 1 minute ♂, ant. 21.

*Aspilota* (*Synaldis*) cf. *corvator* ♂, ant. 20.

*Pimpla* cf. *maculipes*, small ♀, ant. 28.

*Triclistus* cf. *betulae* ♂, ant. 24.

*Aspilota* *pennsylvanica* ♀, small, dark, short legs, ant. 16.

*Proctos* 2 =

*Chalcids* ca. 25; sent to Graham.

*Diptera* - none in at 1 inst. etc.

*Hemiptera* 2 in etc.

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20th-23rd May 1957. Very dry with cold E. wind & smoky haze much of the time, with occasional sun, but none, though night of 19th-20th not so clear and after breakfast on 22nd Mr. J. L. Collins (Dunfermline) arrived at 4.55 P.M. & in evening he & I had a walk round Toward Lodge. On 23rd in afternoon all three of us walked round in Tupperary Wood & I have perused the Tollymore Park Survey & have thought the plantation. I collected by sweeping just above the bridge over R. Skirrow & especially in Tupperary Wood along the wet ditch & swamp along its eastern margin, where took the following insects:—

Tupperary Wood, ♂, near castle DO.

*Alysia* *ruginodis* ♀

*Pimpla* *lucida* ♂

*Stenomacrus* 4 =

[Transected & then labelled on 17/5/58] 12.30 - 3.30 P.M.

*Saphes* - 5 = *Lodinus* *monticola* ♂, black var.!

*Salix* *campestris* ♂

*Gnathosoma* cf. *lucipunctum* ♂, ant. 29. <sup>antennae 29.5</sup> Yellowish-brown, not all dark.

*Proctos* =

*Proctos* *melanopus* ♀

*Gnathosoma* cf. *lucipunctum* ♀







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24.5.57. In the forest at Glendunmore, DO, cont.  
 In the forest of river between the stream &  
 forest & Tullymore. I found many  
 patches of "Thin Thicket" (alluvial) which  
 there is a garden (brought from Tullymore) as  
 well as nutrients.

Forest, Glendunmore, Co. DO. 2.2 - 4.30 P.M.  
 Hatched 2 off 2000.  
Aspilota truncicornis 1  
Canisius 2 of 2000.  
Dacnusa of areolaris 2000.  
Aphidius of 2000.  
Chalcids 10

None with.  
 These sections of soil have been  
 from the bottom of Tullymore Park  
 for 100 years. It is a very old  
 & is a very old garden.

25th May. Another bright sunny day as on 24th except  
 that for a period in afternoon it became cloudy & then  
 cleared again before a squally night. In afternoon  
 I & Dr. L. L. L. walked up to the camp  
 on N. face of Sheshine & saw the small bit of  
Sedum rosea, Stachys fern & Cystopteris fragilis  
 in abundance & returned via Thorn in Brook  
 & the flat marsh between it & The Drive.

Some labelled 25.5.57

26th May 1957 Sunday. Probably the hottest day  
 yet & flying was a bit better all day.  
 In afternoon we then walked to Tullymore  
 by Tullymore Park, road to the stream & home  
 by the bog & plantation & yesterday. I collected  
 by the stream - no more but we were able to  
 examine the dead tree & at top of the tree  
 and a couple of plants settled themselves  
 for about 300 ft. to examine it  
 before they departed. -  
 "Red" for Tullymore to the  
 & a few insects taken on roadside  
 & at foot of Tullymore hill)  
 of bare wood & some work  
 canopies. 4.30 - 5.0 P.M.



Park, DO.  
 counted from 1. then counted 25.5.57. 25.5.57.  
 on roadside above Bunnagland Lodge.  
 for Tullymore? not seen. (see below)  
 It = Stilpnus longus 2000.  
 & Hemiteles 2000.  
 25.5.57. 25.5.57. 25.5.57. 25.5.57.  
 on roadside above Bunnagland Lodge.  
 Homecoming 2000. 25.5.57. 25.5.57. 25.5.57.  
Stilpnus = Pimpla of reticulata 2000. (see below).  
 {gen. etc. 1. This, no doubt refers to Stilpnus limbatus (see below).







H.W. Galtry, Marcus &  
Nora Graham.

Bagley Wood.  
July 1956.

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28th May 1957. Some light cloudy in middle of day, but otherwise very hot & sunny with E. breeze. In afternoon Daisy, I & Mrs. Colville went to the sandhills & I swept for an hour & a half between golf links & sea for about half a mile beyond the hotel in a belt now known as the Perimeter in salt. & here I took the following:—

Sandhills, Newcastle, Co. DO.

- Lasius niger & Myrmica ruginodis ♀♀ none mtd.  
Sawflies: Stenobothrus = ♀ of ♂ taken at Whitehead Bay (cf. AN. 20.6.27 & labelled)  
Phaenocarpa 2 = cf. nocturna ♂ ant. 28 & ♀ "very interesting" by R. L. H.  
Cryptine 5: 4 mounted = Pezomachus gonatopisus ♀, ant. 20  
Atractodes ♂, ant. 23 =  
Hemiteles apertus, small ♂, ant. 21. H.(?) ♂, ant. 26  
Paniscus cf. brachycerus Thoms. ♂, ant. 47.  
Brachymeria sp. n. 20 ♂♂, 1 ♀  
B. sp. 20 ♂♂, one with black hind tibia & 26-seg. ant. & the other with hind tibia pale at base & 29-seg. ant. Perhaps both are B. communis with & perhaps one is communis & the other variator.  
B. sp. calanoides, ♂, mutilated: minute ♂, palpi immittis  
 cf. paucicinctus with.

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- 28.5.57 cont. Sandhills, Newcastle, DO, cont.  
Aspilota 3 spp. Sam. = Asp. concolor ♀  
Asp. cf. triangulata ♂  
Asp. cf. pallipes ♀  
Euphorus 2 = E. cf. pallipes 1 ♂ (ant. 25), 1 ♀ (ant. 24).  
Meteorus caligatus ♂, ant. 37.  
Aspilota spp. 4 = Aspilota subcapa ♀, ant. 15.  
Asp. cf. minimus ♀, ant. 17.  
Asp. (Synaldis) levis with ♀, ant. 16.  
Asp. (S.) concolor, large ♂, ant. 18.  
Dacnusa areolaris group, including several Engelhardtii none mtd.  
D. glabra, small ♂, head spines. Ant. 28.  
Apanteles ca. 15: none mtd.

Proctos. 7. 3 mtd. =

Chalcids. ca. 20. 4 mtd. to Graham.

Found a white-flowered form of Vicia angustifolia near end of golf links & 100 yards inland of the beach.



265

29th May 1957. A very hot, dry, day - almost all day except in the afternoon a bit of rain, when the sun came out - but strong, and a bit of the P.M. the dropped.

In forenoon tried sweeping with net along Shinna Burn & between Shinna & Tullybrannigan Rivers & have taken one Chalcid & one <sup>microphid</sup> ~~microphid~~ ♀, then swept a little on left bank of Shinna between Bryanford Road & River Burn, where all other insects listed below were taken.

In afternoon Mr. G. G. & I walked to see above Newcastle Harbour to look for *Pinguicula lusitanica* & back for tea at 6.30 P.M. & on way there took one *Homocidus* ♂ in the plantation.

Taken on left bank of Shinna, 12.0-12.30 noon

*Andrena saundersella* ♀ [Beetle = *Donacia* taken in salt marsh.]  
*Samolus* off birch = *Dineura viridicincta* ♂  
*Apanteles* sp. *imperator* Will. ♂ dark legs. "microphid" *anthopus* ♂  
*Exochus* cf. *exochus* ♂ + ♀ *Monobotanus* *corvus* ♀, ant. 13.  
*Aphidius* sp. 10. 2 mtd. = *A. cf. erici* ♀ ant. 18.  
*Chalcids* 9 sent to Graham *Acrobaptus dentifer* ♂, ant. 14.  
*Pentus* (Platygaster?) 4

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30th May 1957. Another very hot, dry, sunny day with some N.E. breeze, some clouds in afternoon. Blown drift from E. 200' dry & some mud on the hills in spots of a sandstone road.

In afternoon swept sides of burn & the ways in back garden & took the following:-

Back garden, Tullybrannigan, Co. D.D. 4.30-5.0 P.M.

*Samolus* 5, probably off *Salix* *maritima*?  
 = *Amauronotus* cf. *viduus* 4 ♂♂.  
*Dineura stilata* "large ♂: more probably off *Crataegus*!"

*Bombus* "truncatus" ♂, ant. 19.  
*Colletes* 2 = *Scotus* cf. *areolaris* ♂, ant. 28.  
*Osmia* cf. *fauna*, ♀, ant. 33.

*Bombus* *terrestris* n. 8 ♀, ant. 35.  
*Osmia* cf. *terrestris* n. ♂, ant. 22, but hind tibiae at apex & then have furrows!  
*Microgaster* cf. *apicatus* ♂, ant. 16.  
*Aspilota* sp. 3 = *A. cf. micaceus*? 1 ♀, ant. 18, 1 ♂, ant. 22.  
*A. cf. monilicornis* n. ♀, ant. 19: very nice specimen! H.W.S. 3.9.58.

*Dacnusa areolaris* group 10.  
*Trioxys* cf. *laticornis* ♀, but larger robust example! H.W.S. 3.9.58.  
*Aphidius* off *romana* - none in number - some mtd.  
*Pentus* 1  
*Chalcids* 4: sent to Graham.



31st May 1957. Very hot & dry with variable breeze. but signs of a change approaching. So forenoon Mr. Colville & I went up to summit of Linnahills through the plantation & then past the tower & across the bog to the south of it to the moor & home via the Glen River. The bog was drained & planted with conifers! We found *Pinguicula lusitanica* (in bud) quite plentiful where I had seen it last autumn, i.e. at foot of rise from the bog to the boundary wall & moor directly S. across the bog from the tower on ventidating shaft of the Belfast Waterworks tunnel.

Caught two flies & one sawfly only, as follows:-  
 1st (large) on summit of Linnahills, ca. 800 ft. Fly was  
 over hill =  
 2nd (smaller) on moor near boundary wall =

Sawfly on broken 1/2 Glen River.

1st June 1957. Fine light & softer than previous week & new cloud with a little rain. Light wind & occasional mist on Slieve Donard.  
 Mr. Colville & I went by 9.55 bus to Slidder Ford & home by 12.50 bus from Dundrum. Spent the afternoon, almost, there lower collecting, mostly in the vegetation on the slopes between the bridge & the sea. Nearly all insects swept in the dunes, but a few taken on stream on right bank of the stream just below the bridge or "the bridge" where I collected in Sept. 1955.

Dunes between Slidder Ford & Sea  
 near Marlborough House, Co. DO.

- 1 = on first dunes & taken on way to sea & along sea front.
- 2 = on stream growing through dunes & in salt marsh below Slidder Ford bridge or the creek?

Taken at 1 or 2.

Large *Salix* *stramineipes* ♀ no doubt off *Coracina*.  
 Ant. *Tachina* of *lucida*, *lucida* sign, by ant. 9 segments & 10. *ambigua*.

Phagids: *Chrysopa* *aculeata* & *Chrysopa* *gellii* 20.8.18

*Chrysopa* 3, + 2. *Dicelotus* sp. 5083, of which 3 were smaller with shorter, 24, 25 & 25-seg. ant. & less strongly sculptured, and 2 larger, more strongly punctured, with longer, 26-seg. antennae, yet *Thelidius* there are all *D. monomus* a post petiole is not aciculate as in *monomus*. Probably 2 came from one station & 3 from the other. See p. 268.



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1.6 57 mts. Quincy, Ill., 22, The shaft 40, 20, ant. 20  
Taken at 1/2 ant.

*Tryphon* 2 = *Tryphon* *aculeator* ♂, ant. 29  
= *Tryphon* *aculeator* ♂, ant. 29  
*Coelophanes* 3: only one mtd.  
= *Coelophanes* *infernalis* ♀, ant. 24+.

*Proctos* 2. ant. both 31 =  
*Brachon* *opacus* St 3: not mtd.  
B. *aculeator* ♀, ant. only 23 B. *nigritarsis* ♂, ant. 30+ 31(2)

*Apanteles* *obscurus* ♀  
*Pentapleura* *nigra* m. ♀ ant. 25.  
*Aspilota* 3 off = *A. conica* ♂, ant. 24. *A. debilis* ♂, ant. 22. *A. (S.)* ♂, ant. 20.  
*Microgaster* *arvensis* group, including large ones  
about 25. none mtd.

*D. maculatus* ♀, small, ant. only 28.  
*Brachon* *volucris* 2 ♂  
*Aphidius* off 11. the only one =

*Proctos* 5  
*Chalcids* 6  
Smith: *Coccinellid*

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1.6 57, mts. Quincy, Ill., 22, The shaft 40, 20, ant. 20  
Taken at 1/2 ant.

*Phaenocarpa* 2: 1 ♂, ant. 20, 1 ♀, ant. 21.  
*Phaenocarpa* *gubritarsis* ♀, ant. 21.  
*Tryphon* 1 ♂, ant. 22 =  
*Coelophanes* *infernalis* ♂, ant. 24.  
*Brachon* *opacus* ♂, ant. 27, 1 ♀, ant. 28.  
*Proctos* 2: 1 ♂, ant. 20, 1 ♀, ant. 21.  
*Coelophanes* 2: not mtd.

*Brachon* *opacus* 2 ♂, ant. 25 & 27, 1 ♀, ant. 20.  
*Microgaster* *arvensis* group, 1 ♂, ant. 22.  
*Apanteles* *obscurus* ♀  
*Sigalphus* *caudatus* ♂, ant. 23.  
*Pentapleura* *nigra* m. 2 ♀, ant. both 25.  
*Olysis* *impressus* ♂, ant. 22.  
*Microgaster* *arvensis* group, about 15. none mtd.

*Aphidius* off about 20. none mtd.  
*Proctos* 6

*Chalcids* 5 - mostly in salt marsh.

NB The content of 1 & 2 not kept up with the mounting!



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2nd June 1957. A very hot day, but air softer than 1st & rain obviously in way to the west. Miss Geraldine Rieker & Miss Scannell of National Museum Dublin arrived on previous night & stayed at "Arkem", hence much talk & little work done. Miss Rieker also brought me a few more specimens of *Dacnusa* for the Holiday Collection to study.

3rd June. A very hot & sunny forenoon but afternoon cooler, more breezy, & slight rain in evening. In forenoon Mr Bolville, Miss Scannell & I went by 9.55 bus to Slidding Ford & collected as follows:—

- 1 = Salt marsh along estuary here & then towards Murlough House & later just below the bridge of the 12 arches, as on 1st June.
- 2 = Sandhills from near farm at Murlough Ho. back to the 12 arches.

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3rd June 57, cont. Dunes & salt marsh near Murlough Ho. C.D.O.

Taken at 1 (salt marsh).

*Cryptus* 4 = *Hemiteles* sp. (1st, ant. 21).

*Hemiteles* sp. 1st, ant. 21, small, black, head brown.

*H.* sp. 1st, ant. 21, small, black, head brown.

*Homocidus* (sp. not id.) 1st, ant. 21, small, black, head brown.

*Dacnusa areolaris* group, including *longiradicis*, 12.

*D. areolaris* sp. 1st, ant. 23.

*D.* (sp.) affinis 1st, ant. 26, both 26 {possibly *D. areolaris*?

*Chorebus* *trigynus* sp., entirely with *trigynus* sp. 1st, ant. 26.

*Aphidius* sp. 1st, ant. 26.

*Chalcids* 5 } none id.

*Cynipid* 1 very minute.

Taken at 2 (on dunes).

*Saigona* *salicicola* <sup>stramineipes</sup> = *pad. n. n. n.* sp., no doubt off *Bracon*.

*Andrena* *sericea* many seen, 1st taken.

*Campoplex* *inconstans* sp.

*Myrmica* *scabrinotus* sp.

[No *Tachinonotus* taken!]

*Bracon opacus* 1st, 2 sp. ant. 25(♂), 21 & 22.



3.6.57 (2) cont. Marlough Ho, Dunes, Co. DO, cont.

*Euphorbia* *acutata* Hal 14.7.1, ant. 22.

*Pentamerus* *brunneipes* 2 ♂♂, ant. 26 & 28.

*Aspilota* *concolor* ♀, ant. 18.

*Dacnusa* *areolaris* (group) about 8.

*Aphidius* spp. 12.

Chalcids 6 (1 very small, minute!)

Cynipids 1 minute

Pteron 2 (very minute)

4th June 1957. Much colder, following some slight snow at night (a few sun rays). Mr. Colville left by 9.55 AM. He, I & a third person from Rath. Corner for Keshferry & hourly train to Louisa. Strong W. wind equally.

5th June. But cold & equally, wind <sup>first</sup> <sup>little NE. 1st 2nd</sup> but dry & no heavy rain on day. A small day for the garden, though some sun & warmer during afternoon.

4th June 1957. Mr. Colville left by 9.55 AM for Belfast - on route home to Louisa by air. A dry day, but some that a land.

5th June. Another dry day with cool NE breeze off the sea.

6th Some rain, stronger & drizzle & garden much refreshed, but hot sun later. Took a *Perizonid* running on soil in back garden =

7th A very fine day with much hot sun. George Ingham & Doris arrived from Belfast about 4.40 PM. I spent that evening with them. Took a ♀ of *Chasmodon* <sup>ant. 20</sup> *apertus* running on soil in front garden while reading border below path & burn. 2.

8th June. A very nice, though slightly dull day, with falling glass & light on-shore breeze. In afternoon George drove us all to Sliddery Ford & Lough - 2 hours (3 till 5 PM) mapping in the sandhills between that & the open sea. Much insect taken near the coast & a few actually along the beach.

June, S. of Marlough House, Co. DO. *Bombus* *lapidarius* ♀ seen at flower of *Lolium*.

ants. *Lasius* *niger* seen & *Myrmica* *ragini* ♂♂

*Dacnusa* ♂♂ =

Small fly, *Salix* *drum*, not at all. ♀, no doubt off Cracra







9.6.57 cont. Tollymore Park, DO., cont.  
*Pentapleura angustula* 2 ♂♂ seen, one taken

*Bombus pratorum* ♂ seen

*Andrena fucata* ♀ common

*Panurginus lapidarius* ♂

*Volucris caerulea* 1 ♂ & 3 others seen off the  
 wheel on north off side & one small taken on  
 top of Raspberry; all these 3 are ♂ *leucis*

*Lygoxanthus leucis* ♂♂ & ♀♀ in the bush, mostly on the  
*Cratichneumon*? 3 ♂♂, others seen

= *Schneumon maculatus* var. *luteicornis* ♂, ant. 32

*Crat. fabricator* ♂, ant. 37. *Crat. ruficornis* ♂, ant. 36

*Aspilota apteris* ♂: not mtd.

*Monoblastus* ♂, parasite of *Lygoxanthus leucis*; ant. 32

*Merolabus*? ♂, ant. 22, very slender abd. - small sp. =

*Homocidus pectoratorius* ♀: not mtd.

*Stenomacrus* 2 ♂♂ with anisot, ant. 28 - common - *delictus*?

*Mesochorus* ♂, ant. 27

*Pentapleura* 3 = *Pentapleura* cf. *pogon* Hal. }  
 ♂ (ant. 27), ♀ (ant. 29)

*Pentapleura*? ♂, ant. 28 =

found on night bank  
 of R. Brosna  
 See p. 277 →

9.6.57, cont. Tollymore Park DO., cont.

*Aspilota apteris*? ♂

*Pentapleura angustula*, very small ♀, not mtd.

*Phaenocarpa ruficeps*, small ♂, not mtd.

*Aspilota* sp. 3 = *A. rubripes* ♀, ant. 16. *A. signatus*? ♂, ant. 11.

*A. (S.) ruficeps* 2 ♂♂, ant. 21.

*Loxura* *areolaris* group, very common.

*D. melanocera* ♂ & 3 others of ♂♂ *leucis* group

= *D. una* ♂, ant. 37, 8. *D. una* 2 ♀♀, ant. 28 & 29.

*Monoblastus caucis* ♀ } not mtd.

*Aphidius* sp. - common.

*Proctos* 6: 4 mtd. = *Diaprius nigripennis*? ♂

*Cryptophagus* ♂, ant. 22

*Chalcids* ca. 25.

*Diptera* Syrphid =

10th-12th June. Continues, very dry with cold, strong

drying wind, SW-NW on 10th; E-NE (on shore) on 11th.

Talms reduced, some during night of 11th-12th & some

So or SW or E, variable to strong, some slack but no

rain, air very warm & sun, when out, returned hot

no frost here, though frost warning for all three nights.

Very mild sky, but of sun now 30.5 or showing

no sign of falling up till 9 P.M. on 12th.

Spent all three days, today, of the garden. 1 or 11th

received 2 plants of *Pyrola rotundifolia* per Mrs. Scannell

from Thomas Baginbun, N. of Mullingar, incl

which are also *Carex lepidocarpa*, which latter

which were sent all  
 10/6/57, per Mrs. Scannell  
 ✓ *Pyrola*







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16th June 1957. Still hotter & not a cloud &  
no prospect of change, though rain fell a  
bit more. Caught another ♀ *Vespa austriaca*  
by the burn in back garden. Saw a ♀ *Myrmica*  
(*Helicoverpa* or *vermicolor* var. *decolorata* *Boisdu*)  
on flower of *Oxytropis campestris* in back  
garden at 4.30 P.M. & what I then took  
to be *Holotus leucopus* ♀, searching, & fell  
at greenhouse. Yesterday saw a new metallic  
*Holotus* in garden, which may have been or  
of sp. near *maculicollis*, though it looked very  
like *H. niger* (not supposed to be in Ireland!).  
On this day I first saw a *Whirligig Beetle*  
(*Gyrinus* sp. small) on the pool at the second  
loop of the burn. *Pemphredon shuckardi* ♂ by the burn!

17th June. A hot & yesterday & a cloudless  
with occasional E breeze.  
Saw first Meadow Brown Butterfly of season  
in back garden.

The Whirligig did not  
remain & gone next day!

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18th June 1957. The first anniversary of our arrival  
at 21, *Widdowson* Rd. & *Widdowson* Rd. & *Widdowson* Rd.  
Mr & Mrs W. W. Zaltay & S. Zaltay W.R. & V.  
Graham & Mrs. W. Zaltay, arrived in morning  
(via Liverpool & Belfast) to stay till 1st July  
at No 1 (Mr. W. W. Zaltay's guest house).  
Equally hot & dry as previous days, with E breeze  
did nothing, but felt the effect of the Zaltay  
Graham & I went to Donard Lodge with  
I spent for over an hour between gate & the  
Open River (W. of the river & below the dam)  
I found small *Pemphredon* very common, but  
everything covered with honey dew & not even  
stinging. Aphidids & *Dasineura areolaris* complex  
dominant & here took the following insects:—

Donard Lodge, woods, Newcastle, Co. Down.  
6.45 till 8.0 PM

*Hemiteles apicatus* 2 ♂♂ & 2 ♀♀ =  
= *Hemiteles* ♂, ant. 22.  
*Phygadeuonid* ♂, ant. 22, yellow mandible =  
*Homocidus pectoratorius* ♂  
*Barichneumon* "lucorum" 1 *Stenomacrus* *ventralis* 2 ♀♀  
*Tryphon* sp. ♂ ant. 35. *Microgaster* cf. *lyptus* ♂, 46.  
*Polyblastus* ? sp. 2. Black female, ant. 28 & 29.  
*Phaenocarpa transfiga* 3 ♀♀, ant. 27, 27 & 28.  
*Holocremna* ? sp. ♀, ant. 38  
*Mesochorus* cf. *vittator* ♂, ant. 41



18.5.57, cont. Dotted woods, near Little, DO., cont.  
*Aphidius* of *gracilis* 2♂♂, 1♀, ant. 22, 23, 24, 25.

*Euphorus* 3 = *E. cf. pallipes* 3♂♂, ant. 26, 27, 28.

*Centistes lucidator* ♂, ant. 24.

*Opius* cf. *levis* ♂, ant. 24.

*Tetraneura aurea* 3♂♂, 1♀, ant. 27, 30, 32 (2♂♂), 33 (♀).

*Adelius flaviventris* ♀, ant. 29.

*Aspilota* spp. 9 & no doubt many more wandering  
 amongst the host of *D. areolaris*!

= *A. pilula* ♂, ant. 22, with long legs, small body, of *nitens* not to *gracilis*. (cf. 29.5.57 taken near Little)  
*A. pilula* ♂, ant. 24. (cf. 29.5.57 taken near Little) *A. pilula* ♀, ant. 18.  
*A. pilula* ♂, ant. 24. (cf. 29.5.57 taken near Little) *A. pilula* ♂, ant. 24.  
*A. pilula* ♂, ant. 24. (cf. 29.5.57 taken near Little) *A. pilula* ♂, ant. 24.  
*A. pilula* ♂, ant. 24. (cf. 29.5.57 taken near Little) *A. pilula* ♂, ant. 24.

*Acromus areolaris*, *areolaris*, *longicauda*, etc.  
 in hundreds - about 20 in number - none etc.

*D. areolaris* 5, etc. *D. adducta* 2, etc.

*Aphidius* spp. in hundreds - about 20 in number - none etc.

*Centistes* ♀, seen, to be *nitens*, though supposed to have been taken in the woods. (cf. 29.5.57)

*Pentaneura* only about 5, etc. - 1 ♂, 4 ♀♀, etc. only =

*Chalcids* Very abundant & various; about 20 -

mostly given to *Mercur* Graham.

♂♂ *phaeus* differ from ♂♂ *gracilis* in having more numerous setae on the legs, in fact a dark (cf. 29.5.57) etc.

19.6.57. Another morning 24.5.57  
 with Graham & E. Green, not to be shared!

Party driven to Mt. Ballin, F. Slidmore Road  
 (= 72.5 miles) & spent the day - from 11 AM to 5 PM -

on the sand dunes between that & the coast.  
 Daltrey, Graham & I went in three areas, as follows:

- 1 = dunes from 12 - 14 miles to coast, 11 AM - 1 PM.
- 2 = coast from 1/4 mile N. of beach place to the inlet in a circle back to beach place. 1.30 - 2.45 PM.
- 3 = Salt marsh above & below old railway on S. side of estuary at the 12 miles, 4.30 - 5.15 PM.

Extensive lists of specimens brought up & many more seen here on 8th June & in consequence insect very scarce.

Dunes S. of Marlborough House, Co. DO.  
 Insects taken at 1, (including all in killing bottle, though on 1.10 in this taken just after lunch).

*Chalcids* - many, 10, 25, etc. taken

*Pentaneura* *lathraea* & *shuckardi* on 10.5.57.

*Bombus pratorum* several ♂♂. *Hylaeus* ♂ & *Halictus* *maculatus* ♂.

*Pompilus* spp. seen.

*Samia* *nitens* ♀ (Hoffm. - red) & 1 ♀ (Hoffm. - red).

*T. coarctatus* ♂.



19 6 57, cont. Lower S. of Newbury Ave., D.C., cont.  
Up to 1 cont.

Dryinid ♂♂ common: 13 mounted.  
Anteon sp. ruficornis 2 ♂♂ with orange pronotum.  
Dacnusa sp. pumilus ♂, ant. 26.  
Hemiteles 2 ♂♂, not mtd. Atractodes sp. ♀, ant. 21.  
Camptoplegid ♀ = Camidicta <sup>crucians</sup> ♂, ant. 19.

Bracon opacus, 500 (ant. 24-26), 2 ♀♀ (ant. 20)  
B. osculator 2 ♀♀, ant. both 25. B. sp. <sup>(ant. 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)</sup>  
Microplitis cf. vidua ♂  
Perilitus atropis 7 ♂♂, ant. 26-28: 6 mtd.  
P. atropis 2 ♀♀, ant. 23 & 24.  
Meteorus sinistellus ♀ ant. 26.  
Dacnusa areolaris group 6  
D. areolaris 3  
Dacnusa vidua 3 ♂♂, 2 ♀♀, ant. 41-48 (♂), 34-32 (♀)  
B. sp. red on abdomen, 2 ♂♂, ant. 44 & 44+.  
Bracon ♂, not mtd.

Aphidius spp. abundant: none mtd.  
Proctos. 3 or 4 minute.  
Chalcids about 12. (Blacus ferrugineus ♂)  
Eulophus 3. Triclistus cf. montana 4

19 6 57, cont.  
Taken at 2 (after lunch).  
Dryinid ♂♂, 5: none mtd.

Dacnusa areolaris ♀, ant. 22.  
Camptoplegid ♂, including Hemiteles apicalis, tiny ♂, ant. 20.  
3.11.57 = Atractodes sp. (ant. 22) (♀, ant. 21).  
Eulophus ♂, ant. 25 =  
Eulophus flaviventris ♂, ant. 22. (belong to atropis by group)  
Triclistus cf. m. 34. (♂) small, length, ant. 37.  
Braconid infimus ♂, ant. 32.  
Camptoplegid 3 = Camidicta cf. crucians ♂♂, ant. 19 & 20.

Bracon opacus ♂  
B. osculator & degenerator 1 very small ♂  
Microplitis tristis 1 ♂  
Chelonus megacephalus 1 ♂ (ant. 29) = Chelonus sp.  
Perilitus cf. atropis 9 ♂♂, ant. 22-24.  
P. cf. atropis, small 1 ♀, ant. 22.  
Aspilota conspurcator 1 ♂, ant. 22.  
Dacnusa areolaris, longicauda (1 ♂) 12 = sucher.  
D. mixella ♀, ant. 20.  
D. areolaris 2 ♂♂: 1 small ♂, ant. 32 & 1 small ♀ (ant. 25) mounted / not  
typical but for belly & spine.  
D. strabus n. ♂, ant. 30.  
Chelonus vidua 7 only 1 ♂ mtd., ant. 47.



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Glandrumon, N. of Annalong, Co. Do.

3.0 - 4.45 P.M.)

24.  $\sigma^2 =$

12. Bacon tomatoes 0.5

*Aphaeneta cephalotes* ♀, ant. 17, no claws.

\_\_\_\_\_

\_\_\_\_\_



Insects taken at 1.

*Meloboris* - 5: 2000 m

*B. fraudator* n<sup>o</sup>, ant. 23.

*Microplitis rufata* ✓ 3000

*Euphorbia polifolia* (L.), 22 23.

*Stachnocranus picinervis*, n. sp. male ad.



21.6.57 (1) cont. L. & S. Hwy, DO., cont.

- Dacnusa longiradicis* 1 ♂ & 1 ♀ larvae group 10: none mtd.  
*D. cyclops* ♂ 3 ant. 29. *D. lugubris* (♀?), ant. 31.  
*D. mydia* 1 ♂ (ant. 30), 1 large ♀ (ant. 31): none mtd. of orchard mtd.  
*D. areolaris* group 2 (♂♂?) = *D. minellii* Nixon? ant. 34 & 35.  
*D. (G.)* ♂ very interesting = sp. n.  
*D. (G.) estella* 6: 1 ♂ only mtd., ant. 34.  
*D. (G.) uliginosa* about 20: 1 ♂, 1 ♀ mtd., ant. 26 & 24.  
*D. (G.) mioda* 2 large ♀♀ ant. 26 & 29, {mandibles distinct 4 dent. in one & 2 teeth 2 right of them in both.  
*Chaenura conjugens* 3 ♂♂  
*Coelinius rufipes* mtd.? 2 ♂♂, ant. 37 & 42, 1 ♀, ant. 41.  
*Aphidius* spp. 8: none mtd.

*Praon* a few small: none mtd.

*Chalcids* about 40-50: given to Graham.

Beetle: *Gonacia* [2] =

21.6.57, cont. L. & S. Hwy, DO., cont.

- Taken at 2. (near trees near car park).  
*Aspilota fulvicornis* Hal. 6 beautiful ♀, ant. 23.  
*A. cf. ruficornis* ♀, ant. 29; also mtd. 20; ant. 30.  
*A. cf. ruficornis* ♂, ant. 23, long, various, length 8.  
*Dacnusa areolaris* group 2: none mtd.  
*Coelinius* "sp. Stigae" 3 small ♀, ant. 28, 29 & 31.  
*Ephedrus* spp. 11: 2 only mtd. = *A. cf. ruficornis*, dark ♀, ant. 17.  
*A. cf. ruficornis* ♀, ant. 19, but not mtd. showing 2nd pair of mandibles.  
*Ephedrus* 1 ♂, ant. 11; none mtd.

Taken at 3. (on shore & under trees near same)

- Bathysa fuscicornis* 1 ♂  
*Phygadeuon* ♂, ant. not mtd.  
*Ametis* ♂, small, ant. not mtd.  
*Acerodactylus* *degeeri* ♀, ant. 22.  
*Chorebus* ♂ = *argutus*? white marked hind tibiae. cf. *ambulator*?  
*Sigalphus pallipes*? 2 ♂♂, ant. 21 & 22.  
*Coelinius* *lucicola* ♂, ant. not mtd.  
*Opius* *parvulus* 1 ♀ ant. broken: 2nd abdominal segment, dark & broad, thin mtd.  
*Dacnusa areolaris*, *longiradicis*, group 10: none mtd.  
*D. tenella* ♂, ant. 25.  
*D. sp.* a small black ♂, no sternauli, cf. *mitis* *antigena*?  
 = *mitis* *antigena*? = sp. n., ant. 22. A.M.S. 13.2.1961  
 = smaller ♂ than Nixon Oct 1960 & 1st taken  
 2 (♀) *uliginosa* ♀, ant. 24 (one right in spite of fact of 2nd being ant. 2  
 mtd. of sternauli: A.M.S. 29.10.1960.



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21.6.57 (3) cont. South Ward, D.O. (shore, P.). cont.

*Colletes* "s. of Sligo" ♀, ant. 31.

*Aphidius* spp. 9: none mtd.

*Proctos* 3: 1 mtd.

*Chalcids*: about a dozen.

*Cynipid* 1.

22<sup>nd</sup> + 23<sup>rd</sup> June. Hot, sunny, very dry, with cool Easterly breeze during day. Did not collect.

24<sup>th</sup> June. Mr. Galtry, Marcus & Nora Graham & I drove to Bryanford at 10.30 AM. Mr. Galtry & we spent all day in Tollymore Park. Collected into three sections, as follows: —

1 = along avenue from S. of car park for a mile towards Parnell's Bridge. 11.0 - 12.0 noon.

2 = along avenue from No. 1 to Parnell's Bridge. 12 noon till 1.15 PM.

3 = from Parnell's Bridge to the beach west of Liscannor. E. & W. Wind. 2.0 till 4.0 PM. Then walked home via Tollymore.

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24.6.57 cont. — Tollymore Park, D.O., cont.

Insects taken at 1.

*Cryptinid* 3 = *Hemiteles* 1, *Microgaster* 1, *Microctonus* 1. *Hemiteles* 1, ant. 25, new mtd. *Microgaster* 2 & 3.

*Hemiteles* 1, ant. 25.

*Chalcids* 1, ant. 25.

*Chalcids* 1, ant. 25. *Chalcids* 1, ant. 25.

*Hymenocidus* 1, all black abd., ant. 22.

*Stenomacrus* 1, ant. 23.

*Camptopogon* 1 = *Holocampa* 1, ant. 25.

*Rhyssalus* 1, ant. 45.

*Apanteles* 2, one mtd. = *A. cf. fulvipes* 1, ant. 25.

*Stenomacrus* 1, ant. 19, poor specimen. *Stenomacrus* 1, ant. 19.

*Opius* 1, ant. 24.

*Aspilota* 1, ant. 19, which is rather too young?

*Cteniscus* 1, ant. 23.

*Stenomacrus* 1, ant. 12 in. mtd., including

*Stenomacrus* 1, ant. 12 in. mtd., including

*Stenomacrus* 1, ant. 25.

*Stenomacrus* 1, ant. 38.

*Aphidius* spp. 1, one with pale abd. mtd.

= *A. gregarium* 1, ant. 18.

*Proctos* 1, ant. 25.

*Chalcids* 1, ant. 25.

*Cynipid* 1, ant. 25.



24.6.57, cont.

Tollymore Park, DO, cont.

Taken at 2.

Dryinid ♂ =

Cryptinid 6, including *Heinitz* sp. ♂: not id.

Only one id. = *Heinitz* ♀, ant. 31.

*Stenomacrus* 2 = *St. ventralis* ♂ & *St. rubicundus* ♀, ant. both 24.

*Campoplex* longicauda ♂, pinned. *Argite*? ♂, ant. 27, not id.

*Plectiscus* spp.? ♂ ant. 24, ♀ ant. 21. *Apariteles* cf. *pallipes* ♂?

*Rogas* {*pygmaeus* ♀, ant. 47, 2nd form} *Euphorus pallipes*? (♀?), ant. 22.

*Opius* {*O. celus*, small ♀, ant. only 33} {*O. nigrescens* m. small ♀, ant. 23}

*Aspilota* cf. ♀, new species + unusual, ant. 18.

*Dacnusa areolaris* group, including *pulchra* (1) & *longiradicis*.

*D. areolaris* ♂, ant. 29. *D. singularis* ♂, ant. 23. *D. adducta* ♂, ant. 22. *D. pennicillata* ♂, ant. 22.

*Aphidius* spp. very common! 1 pale ♀ only id. = *A. gregarius* ♀, ant. 22.

*Ephialtes laetatorius* ♀, ant. 11. *Microctonus laevis* ♂, ant. 24.

Chalcid 12 given to Marcus Graham.

Sawflies 2 = *Stenobothrus* ♂ & *Trimastix luteus* ♀.

Ant 1 = *Formica* cf. *lucorum* ♂. Proctos 1 = *Exochus* cf. *minutus* ♂.

Leptinid 1 =

24.6.57, cont.

Tollymore Park, DO, cont.

Taken at 3.

*Phaenocarpa* = *Phaenocarpa* *brachyptera*, small ♂, ant. 28.

*Stenomacrus* *signator* ♂, ant. 24, small ♂, ant. 24.

*Homocidus* *horreorum* ♀, ant. 24.

*Tryphon* *signator* 1 small ♂, ant. 31.

*Microblastus* sp. 3 ♂, ant. 24.

*Stenomacrus* *rubicundus* 1 ♂, ant. 24.

*Gys. ab. sp.*? ♀ = *Gys. ab. sp.* ♂, ant. 22.

*Hologrismus* ♂, ant. 22 =

*Plectiscus* ♂ = *Apariteles* ♂, ant. 19.

*Coctatus* or *Euclyptus* *pubescens* ♂, ant. 22 = *Coctatus* ♂, ant. 15.

*Euphorus* cf. a small ♀ *pallipes*, ant. 20 + entirely dull testaceous!

*Opius* *ventralis* ♂, ant. + 32, abd. bright testaceous, with dark margins to tergites.

*O. celus* ♂, ant. 22, head brown & apex of head black of *pygmaeus*.

*Aspilota* not id.

*Dacnusa areolaris*, *longiradicis*, common {*D. longiradicis* ♀, ant. 21, small example!}

*D. elegantula* ♀, ant. 27. *D. pennicillata* ♀, ant. 25.

*D. adducta* not id.

*D. aphanta* ♀, ant. 23.

*Aphidius* spp. only one mounted, which is black derived & yellow ventrals: not id! but see *A. gregarius* on opp. page!

*Proctos* 5: all id. =

Chalcid

Cynipid



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25 June 1957. A fine day, but only just  
a sign of a back clearing & some sun in  
forenoon, clouds in afternoon, all rainy after.  
7 P.M. Nora & Marcus, Graham & I spent  
the day on Shinn Leonard, ascending by the  
'Black Steps' & returning by the col & down  
the Glen River. Traced sweeping between 1200  
& 1500 feet, but my only captures were one  
hemipteran (= *Campoplex* sp. <sup>small</sup>) & one of  
aphidius of *avenae*. Graham had better results  
& took one.

One little insect (*Amphisp. plantarum*, sp. H. W. Dalling) was very  
abundant amongst the *Calluna*, *Empetrum* & *Calluna* on the hill.  
North slope of the mountain from 2,500 onwards  
has much *Silene herbacea* in the ground, but  
little else of interest: or rather only one here & there  
& some of fruit ripe. Many *Silene acaulis*  
seen flying.  
High up, found a spider carrying its egg bag & mounted  
it on card =

295

26 June 1957. A soft mild day, before a  
depression. Left Newcastle about 10.30 AM, &  
drove past, down by Mrs. Dalling, via Eastmillan,  
Gronow, moira & Appaloe, to Salween Harbour,  
on the Antrean shore of Lough Neagh, where arrived  
at 11.50 & left for home at 3.20 PM. I had not  
been here since. Braeger & I visited the place in  
July 1920 & so much change seemed to have taken  
place in the road, but it, which had seemed  
to me much more extensive & better than I recollected.

Swept in three areas as follows:—  
1 = Shore of lake at SE. corner of the Hag Park 12.0-1.15 PM.  
2 = Road near road & head of the bay 1.30-2.30 PM.  
3 = Same area as 2, but not quite same spot. 2.30-3.30 PM.

Salween Harbour, L. Neagh, Co. AN.

Taken at 1.

Cryptine abundant: about 40-50 <sup>mostly mtd.</sup> mtd. & several species  
*Hemiteles* ♀, ant. 24. *Leptocryptus* ♂ & ♀, ant. 26 & 28.  
*Phygadeuon* 4 ♂♂ (14-16) ant. 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.

Can poplized, not mtd.

*Brachon furcator* ♀, ant. 29.

*P. fuscator*, small ♂, ant. 28.

*Meteorus micropus*, small ♀, ant. 24.



26.6.57, (1), cont. Salalah, S. Mugh, AN.

*Chrysomelidae* sp., ant. 16.

*Chrysomelidae* sp. 8 + 10 in all.

*Chrysomelidae*, small ♀, ant. 16.

2.

2. (4) *Chrysomelidae* sp. ant. 27.

2. (4) *Chrysomelidae* 2 small ♂♂, ant. both 27, 1st 27, 2nd 27, 3rd 27, 4th 27, 5th 27, 6th 27, 7th 27, 8th 27, 9th 27, 10th 27.

2. (6) *Chrysomelidae* ♀ + ♂, ant. 27 + 27.

*Chrysomelidae* sp. 2, ant. 27, 27. See above!

*Chrysomelidae* sp. 16.

*Toxares* *dellugis* Hal. small ♀, pale brown to blackish, ant. 20.

*Chalcids* 12, one with heavily spotted antennae: given to Graham.

Small beetle =

Taken at 2.

*Myrmica* *lucorum* (= *ruginosa*) ♀

beetle

*Donacea*

4.

2.

1.

26.6.57, (2), cont. Salalah, S. Mugh, AN. cont.

*Chrysomelidae* sp. 2, ant. 27, 27.

*Chrysomelidae* sp. 2, ant. 27, 27.

*Chrysomelidae* sp. 2, ant. 27, 27.

*Chrysomelidae* 6: 3 mtd. = *Chrysomelidae* sp. 2, ant. 27, 27.

*Chrysomelidae* 2, ant. 21.

*Chrysomelidae* sp. 2, ant. 21.

*Chrysomelidae* sp. 2, ant. 21.

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*Chrysomelidae* sp. 2, ant. 21.

*Chrysomelidae* sp. 2, ant. 21.

*Chrysomelidae* sp. 2, ant. 21.











29<sup>th</sup> June 1957. A very hot day, with strong SE. wind off the sea. Temperature in England up to 95°F. in shade: rather cloudy in forenoon but all sunny between 2 & 5 P.M., the clouds & some slight drizzle at 10.30 P.M.

Driven by Mrs. Galtry to Sliddery Ford & the dunes S. of Murlough House at 10.15 AM. & J. Galtry & Graham collected there till 4 P.M.

- I kept in three areas, as follows:—  
 1 = Right bank of estuary at Sliddery Ford, above & below the '12 arches' bridge, 10.30 - 11.30 AM.  
 2 = Dunes from Sliddery Ford to sea - 11.30 AM - 1 PM.  
 3 = Dunes near sea (partly same as 2) near where the track from 'the 12 arches' reaches the sea. 1.15 PM.

Sliddery Ford, Dundrum, Co. DO

Insects taken at 1. <sup>collected 7.15.57</sup>  
 Cryptine 9: only 1 small ♀ mtd. (damaged) = cf. *gracilis* ♀, ant. 20.

29.6.57 (1) cont. Sliddery Ford, DO., cont.

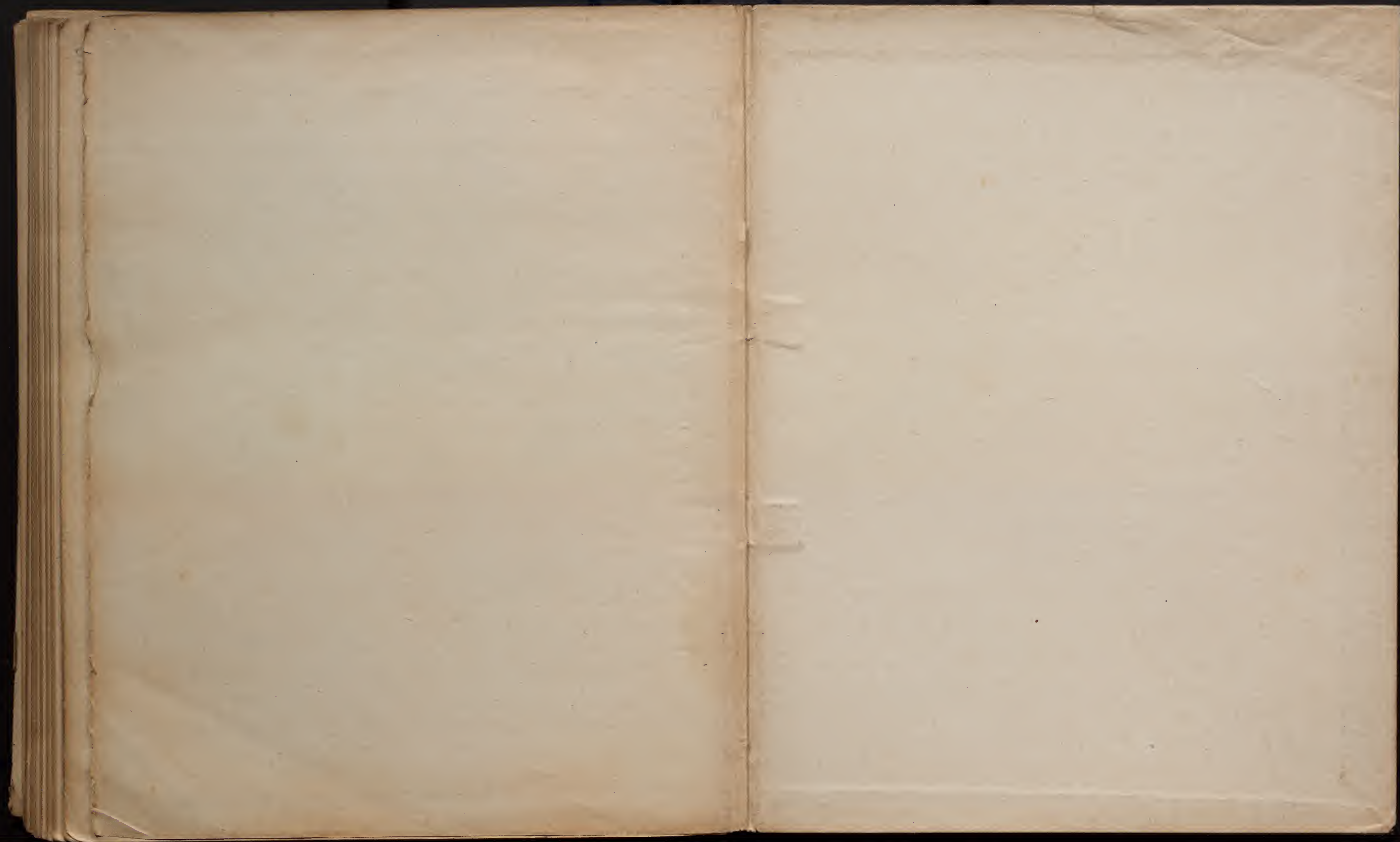
- Stenomacrus* cf. *remipes* Hym ♀ cant. better off.  
*St. sp.* cf. *levis* ♂, ant. better off.  
*Stenon* 7/2 ♀, ant. 26: very like *St. levis* but small. <sup>ant. 26: very like *St. levis* but small.</sup>  
*Rog. curvicauda* ♂, ant. 26.  
*Leucophaea* *maculosa* group, ca. 15, including  
*maculosa* ♀ & *longicauda* ♂, ant. 26.  
*Le. tenuis* ♀, ant. 26.  
*Le. (g.) effusa* 1, ant. 26.  
*Le. (g.) insignis* 2, ant. 26.  
*Chenusa conjugens* 1 very small: not mtd.  
*Tetraneura* *arbutus* ♀, ant. 26.  
*Aphidius* spp. 16: none mtd.

*Proctotrupes grandator* ♀ by the bridge & on other ant. mtd.

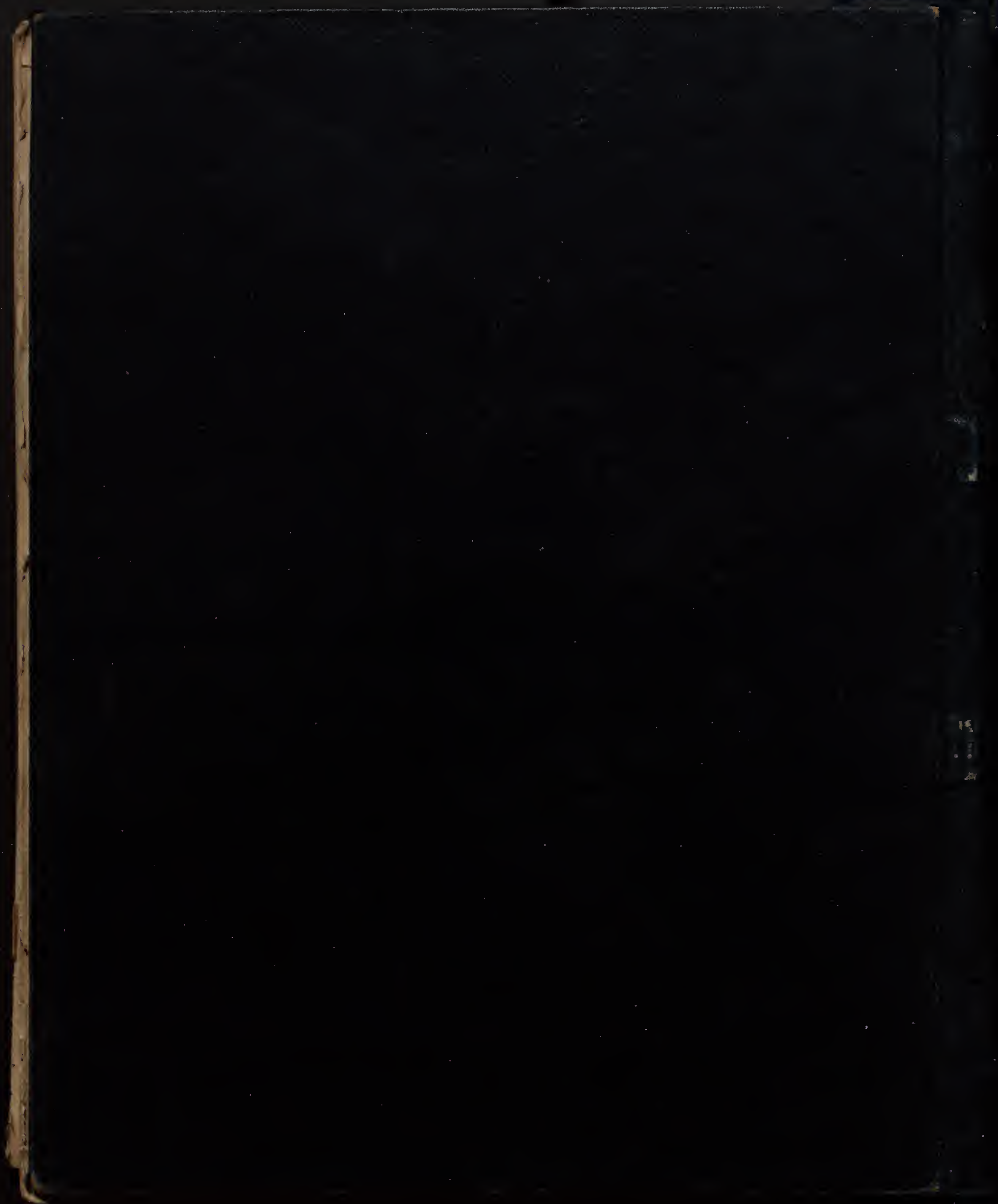
*Chalcids*: ca. 20

*Diptera* 3: 2 mtd. = *Pipunculid* ♂ & ♀









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